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<210> 7932  
 <211> 118  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 7932

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<400> 7933

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<213> *Aspergillus nidulans*  
  
<223> unsure at all n locations  
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 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 7935

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 <400> 7936



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gaaaataaat gtatgaagtt aaaaatataa aaaaataaga aagaaaggaa aaaaaataa 240  
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<212> DNA  
<213> *Aspergillus nidulans*

<400> 7937

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ggaagccact cgacttgccg atccagtctt caccaccagc attggcggcg gcatccgcgg 180  
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<210> 7938  
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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 7938

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 <213> *Aspergillus nidulans*  
 <223> unsure at all n locations  
 <400> 7939

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<213> Aspergillus nidulans  
  
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<212> DNA  
<213> Aspergillus nidulans  
  
<223> unsure at all n locations  
<400> 7941

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 <213> Aspergillus nidulans

<400> 7942

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<210> 7943  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 7943

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gccaccaga gtgtgagcag aaagcacaca cccagtacaa tactagccac tttgctggca 660  
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<213> *Aspergillus nidulans*

<400> 7944

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<210> 7945  
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<212> DNA  
<213> Aspergillus nidulans

<400> 7945

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ctatgagtgt catagacact cataaccgcc actatcaccg acaaccctgc tcaaattatg 180  
gctgcccagg ttctcaacta cgtttacgta ggtataggac tttctgtgat ccccggtgcc 240  
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aacagttcca gccgaagtac ggggtctagtt gtcgggacgc accagcttag tctcacattg 360  
gaaggcgtgg tcatcaatgc tgtctgctat ggtaccagtg ggcttcctga taaccgcgca 420  
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<210> 7946  
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<212> DNA  
<213> Aspergillus nidulans

<400> 7946

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gtatctgata ccgcaaacac attgttgtat atta

154

<210> 7947

<211> 793

<212> DNA

<213> *Aspergillus nidulans*

<400> 7947

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gaaaaaagca tgcgattcat atccaggatt gaggaagtat tgaatatgat tcttagcggg 120

accctagctc agcaggcgac tccagtgtt acgccacagg tattcaacga ggagatgtac 180

acaccatatt ttgaattttc caaaacccca cgacgcggac cgatcttggt cctattgccg 240

ccaggggagg gaggggcaga aagctacttt aacaatatcg tcaagcactt gccacgact 300

aatatggtcg tctttaacaa ttactacctt cactccaaga gtctgaacac gtttgaaaag 360

ctagctgaga tgtatttggg gcacatccgt cagatccagc cagacgggcc ttaccatttc 420

atcggatgga gttttggagg aacaatcgcg atggaaatat cgcgacagct cgtgggggcta 480

ggttcaacga ttggtctttt aggtatcatt gacacgtatt tcaacgtgcc tggagcaacg 540

cgggcaattg gcctcgggtga tactgaggtc ttggatccca ttcatcatat atcccaacca 600

gaaccagccg atttccagtg cctcccagcc agcacagact acatcatttt attcaaagct 660

actaggggtga acgacaagtt tcagtctgaa aaccagaggc gtctgtacga gtactacgag 720

caaacattgc ttaatgatct cgactgttac tccctgtgct taaaccttca tctaaccgc 780

ctgaggagga tac 793

<210> 7948

<211> 657

<212> DNA

<213> *Aspergillus nidulans*

<400> 7948

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ctgctccttc tggcggtctg tttgggggtc tgggtacatc aaaacccgcg gaaacctcga 180

cgacgaagcc tgcagcctcg acaggagacc tgtttagcaa gcccgctgag acagcgacca 240



cgcaagctcc aagcacgtct gcggaagcta ctacaatcgg tactggcgcc aagccagcgc 300  
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<210> 7949  
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<212> DNA  
<213> *Aspergillus nidulans*

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atgtcgacta catttacatc aaatcctttg caacaccaa tgcgctcaat ccccaaagac 180  
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gtggatggaa tttgatagtt cacgtcagta gcttaattat gtggatctga atgcttgagc 840  
tgcgcgtttt ctttaagcta tggcgtgata gcgttgaagg gggaaagata cttatatagc 900  
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agttgacgtt cagtatgcca tagttctgtt accgagccgg agct

1004

<210> 7950  
<211> 629  
<212> DNA  
<213> Aspergillus nidulans  
  
<400> 7950

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gaagaagccg ccggagatca tagctatgct gttcgtgcac cattgggaga tactgaactt 180  
ttgcttcgac acggaccggg ctctgtttta gataaaaggc atgaccttaa atttcatctc 240  
aatataagtt gcttatatcc aacaaatccg ccttcccgcg gaattaatac aatgctctgc 300  
cattgttact acctattaac ccattctgag tagacaaact gtcatacaa cacctgaaac 360  
tgcacttaat tcatataccg attatctaca ccatatccgt gaaacagaca ctgctgtact 420  
caatgaaaaa actcacctag gccgattcat acgatggcta gaccctgtga tcggtcattg 480  
atgcccacac gatcaccatc atgaccgcct atttattcga cgttaccgaa ctgtaggtta 540  
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gtatctttcc acacttgta acatgcaa 629

<210> 7951  
<211> 585  
<212> DNA  
<213> Aspergillus nidulans  
  
<400> 7951

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attgtgacca tattggacat tatgctcaaa actgtgaccg caatttacct gtccgtatcc 180  
tttgccctca tagcagtctt cagatcggcc ttcaatgtag ccagcaacgg cggcagtgat 240  
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accttgagca tcgttctgt gtgtggtggc aataatgaac agaagagatg cagcgtaatt 360  
gagtccaggc caagtgaaag ggaatctgta taattatgtt tatgaggcag aatcggcgag 420

cagcggaggt gcagcaaaaag gcggagagaa gctcatcggt cccgtgcgca attttgttct 480  
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<210> 7952  
 <211> 832  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 7952

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 gaagaagtgc cgccgcaact ccgcagcggc caatccacac ttcattcagt ctcccttgcc 180  
 tcacacctcg ttactcagac acattttccc cgtttccgtg ccggttgacc tctctagttt 240  
 cgctgatttg acgatacgag catggtttta aaggaccttc tgtggatgct ggcataattg 300  
 gcatttatag tgctttctcc ctctcgaggg aattccacca gccaccgcta tcgcagcaca 360  
 aatacatggc ttttctcaaa ctcccggaac tctcatatcg tgcttctaga gtcttcatgt 420  
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 ggaggcagct caaccctgaa ctacgtacc gactgtacaa tataggacac aaatcaacga 540  
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 gatcttgcaa aacccaaagt acaaagtacg caacagcagc acggcatgac gttctatctt 660  
 taccgacgcc ccctacgagt acccaagcat ttgaggcaga taacctagat ccccccaact 720  
 tcgagtatac ttttttttat gagaaacggc agtggccgac aagcgagcaa atcatggcgc 780  
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<210> 7953  
 <211> 586  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 7953

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ctcaatatca aacgtgcatg caatcggtaa tgggttctggg aattgggggtt ttctagttaa 180  
acgatgtatt ttagaatctt cgcgcttact cgtaccagat actactgaag tgcaaactct 240  
atctctatta ttctattcta tcacattgta cttcgaccgt caaaccttag acgccctccc 300  
cggcttccca cagcacctc ttacacaagc acatcccgc caaagcgcca gcgcccactc 360  
cctcctctcc ttaacattca actccacatc acagtaatga ttcaggatct cctcatcctt 420  
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acagctatga ttggcaagac accaaagcgg atgcaccgcg cacgtc 586

<210> 7954  
<211> 418  
<212> DNA  
<213> Aspergillus nidulans  
<400> 7954

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gtgaggtgta gactacagag gtatggaggt atggaggggt aaggactgta caaagcctaa 180  
gaaagaatta acggcatagc ggggctggta acagggcttg aagcatagag gccgcatgga 240  
cactgaatcg atggggtcgc acctggagta tgatctgaga gttgggaaat aaagcaacag 300  
atatgatact gacaataggt tgcaaataaa taaggggtggg gggagtcgaa aacagggacc 360  
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<210> 7955  
<211> 1114  
<212> DNA  
<213> Aspergillus nidulans  
<400> 7955

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tctttttttg tttattatta gtattgagct ttgcattgtg ctactggtgg tgttcaggat 180  
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 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 7956

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<210> 7957  
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<212> DNA  
<213> Aspergillus nidulans  
<223> unsure at all n locations  
<400> 7957

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gggacggcct ttctcttctg gaagttgaga tctagttgcc ctggtacatg ttaaattact 180  
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<210> 7958  
 <211> 104  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 7958

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<210> 7959  
 <211> 121  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 7959

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c 121

<210> 7960  
 <211> 738  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 7960

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gttcactat gcaagggggc agtgcaaggt atatactgtc aatcgggtca agtacgtacc 180

atctccaaag gttccggtga cggccactgg gccacaggct tgtatttagc cagaccatgt 240

ctggatttag tgatgactgg cttgggcttc ttgctcgag cagaagggcc tgactgcggg 300

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ggcctaattgg gagccatgac gtcgaggggtt gaatttgcta gaacttagac atataatctg 660  
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<211> 612  
<212> DNA  
<213> Aspergillus nidulans

<400> 7961

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<210> 7962  
<211> 750  
<212> DNA  
<213> Aspergillus nidulans

<400> 7962

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cttgacttaa gaccgcgtaa gtccgaaggt atgggtgaaa cgatgtctac cgtatggtga 180  
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accagtccca agcaggcgac tgttgggtatt cctttcgctg ttctagacac agtccccgagc 360  
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 gccaaaaaca gggcccgctt tccgcctcga tatcagctgg agcctgtacg gtgggtggtg 660  
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<210> 7963  
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 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 7963

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 tcgatccaat cctacatgtt cttcaaacga agaagcgacc acggaggatg actttgaagg 600  
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 tcaagcgga tctaacgggt cagcgcttcc cggccattcc tctgtctcag aactctggta 780  
 tcatcggtg ggtcaccaat agtgacaccc tccatgcttt gataaaagaa taccgggaaa 840  
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<210> 7964  
 <211> 766  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 7964

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agcaggttca gttggcagga tgagtcgctg aaccaaagtc tgctctatcg ccgactacta 480
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tgaacgagcc acggtatgaa aagcatccca gccttgcgctc tagacagcgc caacaccata 660
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 <213> Aspergillus nidulans

<400> 7965

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ctgtgaccaa gtgtggaaac tgagacaact cttgccctaa aagattgtgc cgacccactt 420  
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cagccagtca cgccagacct cgccgagcaa acgattttca gggtcgaggg gtcgaggctc 660  
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<210> 7966  
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<212> DNA  
<213> Aspergillus nidulans

<400> 7966

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tcccatgacg gtgccgcaat caagggtata gattccttcg agtggattct gagtatgtct 420  
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<210> 7967  
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<212> DNA  
<213> Aspergillus nidulans

<400> 7967

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ctgtgcggct ctgggtcagt gttgtccttg gaaatcagat gatcttcaac ggtatcgtga 180  
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 gaaactaccg tagtgatagg agcatggctg acgtattcaa gattgatacg gtgtccatcg 300  
 ataacagttc cttgcaattc cttcategcc cgcgtggcac cctcattagt ggcaaaagt 360  
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 <211> 846  
 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 7968

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<210> 7969  
 <211> 900  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 7969

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<210> 7970  
 <211> 727  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 7970

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gtcccagttg cgggcttctg tgatgccgag atcgaccact gtgccgttga cgggggttgt 180
gaagcgatct gcacctcct ggagagttgg gtagaagcgc gtgtgatggc gtttgccaac 240
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gcggcgtaga tgtgctttaa gcatggagtc aagggcgtcg accatctcct tgcgagcttc 480  
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ggcggcgaca ctgggcgcgc ctttagcaga accaggagat gggcgcgtaa catcgatacc 600  
aataagcatt gttttgccct cgccgattat acccaactgg ctcggtcgta cgacttgatt 660  
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cttgact 727

<210> 7971  
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<212> DNA  
<213> *Aspergillus nidulans*  
<400> 7971

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gacgccgaga gtaatgaaaa tgctgtcgag gactctgagg ctgattttgc tgttgaagat 180  
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cataccact gaatgatgat tgtttgctca aatcagggtc agacgaggag atgcaattaa 360  
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<210> 7972  
<211> 197  
<212> DNA  
<213> Aspergillus nidulans

<400> 7972

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cgcggtctt gtccccg 197

<210> 7973  
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<212> DNA  
<213> Aspergillus nidulans

<400> 7973

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<210> 7974  
<211> 568  
<212> DNA  
<213> Aspergillus nidulans

<400> 7974

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gagacactga agaaatagtc cgagcccgtg ggtagaagca gatcataggt ggaagaagtt 240  
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 ccgaccggcg gctcctggat ctcgacagca agataatgct ggacgaggga cggaagcggt 480  
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 <212> DNA  
 <213> Aspergillus nidulans

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<210> 7976



<211> 103  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 7976

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<210> 7977  
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 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
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<210> 7978  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 7978

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 <212> DNA  
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<400> 7979

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 <212> DNA  
 <213> *Aspergillus nidulans*  
 <223> unsure at all n locations  
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<212> DNA  
<213> Aspergillus nidulans  
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<400> 7981

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gaacttctga tacgattgta ccaaagctgt ctagcttatt atgaggctca ttagcagaag 480  
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<210> 7982  
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<212> DNA  
<213> Aspergillus nidulans

<400> 7982

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<210> 7983

<211> 108

<212> DNA

<213> *Aspergillus nidulans*

<400> 7983

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<210> 7984

<211> 139

<212> DNA

<213> *Aspergillus nidulans*

<400> 7984

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 tcctcttttg gcattcgtc 139

<210> 7985  
 <211> 143  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 7985

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<210> 7986  
 <211> 651  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 7986

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 gatcgacagg tgaattctcc tccactatat tttagcagct aagaatacca ggcactcact 180  
 ggactgaacg gaaaacgagt gccctgtaaa ggccggacgaa tgggagagag aaaaatgcgc 240  
 gtatgcacgg accagccgat gggcccgcgc agccctaact ccaccggcta tacaagatag 300  
 gtgtatactc tggggcactg aaggctcagc cggggcccaa gttttataag atataaaggc 360  
 caggtttgag agccctctcg aggaaaatag aaaagacaac acacttatca tggctaaact 420  
 cgagccctac gtcgacgatt actatctctg ggagtacatt ccctcccttc ctgcatctat 480  
 catcttcgtg ctgctctttc tcgccgcaac gctcttccac tgctggaaag catggaaatc 540  
 acgagctcga ttctgtatac ctttctgcat tggaggaata tgtacgttct aaccgctact 600  
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<210> 7987  
 <211> 629

<212> DNA  
 <213> Aspergillus nidulans

<400> 7987

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tatttttata gcgaggattt gcagcaaata cgacaggaag tcaggaacag gagagaagag  180
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gcaaactgaa cttgggactt gggacttttg aagagcactg gacacgccac ggaacgccag  420
tcagagactc actgcgttcg acaggagtcc aaggagtccg agaaatgca gagttgcctg  480
attgggctgc atctttttac tttcctgtat tattattatc gtcgggacat gactggccct  540
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<210> 7988  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 7988

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cagactcgat gaccaggttg atatctcctg caacaaaaag cagcacaatg agaaagatca 840  
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<212> DNA  
<213> Aspergillus nidulans

<400> 7989

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<210> 7990  
<211> 199  
<212> DNA  
<213> Aspergillus nidulans



<400> 7990

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cacgcatata aatagtcaaa tggagtgaag agacatcggc aaggaccttg ctcgttcgag 180  
tggtacgctc gtccaaga 199

<210> 7991

<211> 1124

<212> DNA

<213> Aspergillus nidulans

<400> 7991

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<211> 110  
<212> DNA  
<213> Aspergillus nidulans

<400> 7992

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actatcgtca ggtgttggag cattggaagt gcataatgtt ctatgagagt 110

<210> 7993  
<211> 137  
<212> DNA  
<213> Aspergillus nidulans

<400> 7993

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cgtcagtcag aattccg 137

<210> 7994  
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<212> DNA  
<213> Aspergillus nidulans

<400> 7994

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ggacatctcg acgcaagttc gcgatggagg catctgggaa agggttgtgc agatcggcta 180

tcaagggcgg gaggggtcaa tagatgcaga ggtcgtatat aacctgtgag tgacactttc 240

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aaccgaatct cgatattgaa gagcacctga actcgccac gagctctcaa caacaccgca 420

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 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 7995

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<212> DNA  
 <213> Aspergillus nidulans

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 <212> DNA  
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<400> 7997

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<211> 126  
<212> DNA  
<213> Aspergillus nidulans

<400> 7998

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<211> 704  
<212> DNA  
<213> Aspergillus nidulans

<400> 7999

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<400> 8000

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<210> 8001  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 8001

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 <213> Aspergillus nidulans

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<400> 8007

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 <213> *Aspergillus nidulans*  
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<212> DNA

<213> Aspergillus nidulans

<400> 8035

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<210> 8036

<211> 990

<212> DNA

<213> Aspergillus nidulans

<400> 8036

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 <213> *Aspergillus nidulans*  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 8038

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<210> 8039  
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 <213> Aspergillus nidulans

<400> 8039

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<210> 8040

<211> 1710

<212> DNA

<213> *Aspergillus nidulans*



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<211> 1157  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 8041

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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 8042

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<400> 8043

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 <213> Aspergillus nidulans

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 <211> 737  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 8045

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 <213> Aspergillus nidulans  
 <400> 8046

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<213> Aspergillus nidulans

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<213> Aspergillus nidulans

<400> 8048

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1642

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<211> 1336  
<212> DNA  
<213> Aspergillus nidulans  
  
<400> 8049

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1336

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<212> DNA  
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<213> Aspergillus nidulans  
  
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 <213> *Aspergillus nidulans*

<400> 8052

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<210> 8053

<211> 890

<212> DNA

<213> *Aspergillus nidulans*

<400> 8053

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<400> 8055

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<211> 1533

<212> DNA

<213> *Aspergillus nidulans*

<400> 8056

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<211> 676

<212> DNA  
 <213> Aspergillus nidulans

<400> 8057

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<210> 8058  
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<400> 8058

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 <213> *Aspergillus nidulans*  
 <400> 8059

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 <212> DNA  
 <213> Aspergillus nidulans

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1049

<210> 8061  
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<213> *Aspergillus nidulans*  
  
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 <213> Aspergillus nidulans

<400> 8062

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 8064

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 <213> Aspergillus nidulans

<400> 8065

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 <212> DNA  
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<400> 8067

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<212> DNA

<213> *Aspergillus nidulans*

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 <213> Aspergillus nidulans  
 <400> 8071

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 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 8072

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<210> 8073  
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<212> DNA  
<213> Aspergillus nidulans

<400> 8073

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<210> 8074  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 8074

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<210> 8075  
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 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
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<210> 8076  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 8076

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<212> DNA  
<213> *Aspergillus nidulans*

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<210> 8078

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 8078

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 8079

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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 8080

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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 8081

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 <213> Aspergillus nidulans

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<212> DNA  
<213> *Aspergillus nidulans*

<400> 8083

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 <213> *Aspergillus nidulans*

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 <212> DNA

<213> Aspergillus nidulans

<400> 8085

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<210> 8086

<211> 853

<212> DNA

<213> Aspergillus nidulans

<400> 8086

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<210> 8087  
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<212> DNA  
<213> *Aspergillus nidulans*

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caagagtgtt tcatttttct ataagaagtg catagagtgt ggctcgtcttt gaagctgaat 180  
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883

<210> 8088  
<211> 869  
<212> DNA  
<213> Aspergillus nidulans

<400> 8088

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tactcgcgta ggactcactg atagcggttac agacaactaa cctgtattgc catctgaaat 240  
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<210> 8089  
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<212> DNA  
<213> Aspergillus nidulans

<400> 8089

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<211> 841  
<212> DNA  
<213> Aspergillus nidulans  
<400> 8090

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caaccgtccc agattgctgg tagacctcca tgcgggtcat ttgaactcga cctaatagcc 360  
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<212> DNA  
<213> *Aspergillus nidulans*

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<210> 8092  
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<213> *Aspergillus nidulans*

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<210> 8093  
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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 8093

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<210> 8094  
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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 8094

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<210> 8095  
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 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 8095

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 <212> DNA  
 <213> *Aspergillus nidulans*

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<210> 8097  
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 <212> DNA  
 <213> *Aspergillus nidulans*

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 8098

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<210> 8099  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 8099

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 <213> Aspergillus nidulans

<400> 8100

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<400> 8101

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<400> 8102

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<210> 8103

<211> 210

<212> DNA

<213> *Aspergillus nidulans*

<400> 8103

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ctattacgtt acctcccacg atgcaccaat 210

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<212> DNA  
<213> Aspergillus nidulans

<400> 8104

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gatctgaagc cgactatgat cttegggtggc tttgtcaatg taatcgctta gggcttgcca 420  
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<210> 8105  
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<212> DNA  
<213> Aspergillus nidulans

<400> 8105

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 <212> DNA  
 <213> *Aspergillus nidulans*

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<211> 1009  
<212> DNA  
<213> Aspergillus nidulans  
  
<400> 8107

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<211> 515  
<212> DNA  
<213> Aspergillus nidulans  
  
<400> 8108

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 <213> *Aspergillus nidulans*

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 <213> *Aspergillus nidulans*

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<210> 8111  
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 <212> DNA  
 <213> *Aspergillus nidulans*

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<400> 8112

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<211> 694  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 8113

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 <213> Aspergillus nidulans

<400> 8114

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 <213> *Aspergillus nidulans*

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<210> 8117  
<211> 908  
<212> DNA  
<213> Aspergillus nidulans

<223> unsure at all n locations  
<400> 8117

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cacctttcct cccgtatcgc cagcattagc gaccatggtt cgcacatgag catcacaaca 180  
acaacaggcc ggaccttcac aggccgaaaa gtcattgtct ccatcccaag caccatgtac 240  
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gtgctgggag actataacaa agccatcgtc tgctacgata agccatggtg gcgcgaccac 360  
ggtttcaacg ggtactttgc atcctacgtc ggccctatca ttctagcccc tgacacttct 420  
gttgatgagg tcggcaacta ctgcctcacc tgcttcgtga atgggaagcc agggagggag 480  
tggggaaaga tgcgccccca cgagcgccgc gctgtggtgc tagcacaact cgcacaggtc 540  
ttcgggcacg aagaggaggt gtataaacgg atcgagttct tcgaccagat ctggcagcac 600  
gagacgtata gccggggcgc attagcgata tctactgcctt gggccatctt acagagtata 660  
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tgcgaggt 908

<210> 8118  
<211> 800  
<212> DNA  
<213> Aspergillus nidulans

<400> 8118

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 cgataattgc tgatgatgac aggtacttat atggaattac acggcaagaa tcactctggc 240  
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 tttggcactg ttgagattaa acaaacgtcg atcgtaatcg tattcaatat atgactgaca 360  
 gaaggagaag gagaaaagac ctgagcagtt tagagaacct agatccagag cacgtggatc 420  
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 ggaatgcttt tcttgctcgg ttttgccgac actactttgc cccgtcacat ttgtaataca 540  
 tttcttggtg accaggtata aaagatTTTT ttaaaacaaa attcatattt aactggacaa 600  
 cctttaatgg gtatcccttt ttagagtctt catggcctca agcaggggtt taaccttcta 660  
 taacaggttt tttggaacct tttgtcttta aacactgtat ttttttggtt caacttttta 720  
 cctcgtgtga agactaataa ttttgcttct ttcctgtgt ggtattaagg ttattgaagt 780  
 cttttcgaaa aatgttaatt 800

<210> 8119  
 <211> 658  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 8119

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 ctcaatatca tcaacggcac tcaaattctca tgtcacgaaa ctctcactac tggcgatcaa 180  
 tccccgttc acaccctctg cggtagcgaa gacgctttcg actcttaacg agtccgttct 240  
 cccgtctctg gttacagccg cactccttat aacgccagag tctcatacga gggcgtttca 300  
 aagcgaaatc cgcgttctga caggtacagc actgaaggag ctgtctttgt tggtaaaga 360  
 agtgcagctc attgcgaggg aaaaggctga taagagaagc ctggaacagg cgaaaagga 420  
 tgcagtcaca gcggtgacgg ggcgggtctg ggatgcttgc gatgtacttg ttgatgttgc 480  
 cgcgaagggg gttgtcggct tcgtggtcag aagggcacag gagtatagag acttggttcg 540  
 agatgcggtg gaagagattg aggagtggga tccggatgag gaggggtgatg agtttttcga 600

tgactcctag acaatggtga tgaatatgaa gctgggtctg tgacaccagg accaagga 658

<210> 8120  
 <211> 596  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 8120

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 cggattttga gttcacatct ccaattccgt cgaccaagca catgtgaggt tgatcccaag 180  
 gaaaagttag ctggggacag gcagcagcgc tttccgcaca taacccgccg gtggcaacta 240  
 ggtgggacaa gcacgacggt gctccaatcc gatatcaagg tcaagtcagc gctgtttctt 300  
 ttttagctca cggcgacgac ccagagtcta gaatgatcaa ttcagctgat tcagctgctc 360  
 ttgtgctggt cgagaccggg aataccggca caaccacaat cggagagcct caaagctctc 420  
 ggcggtggag gtcttcagat cacctggcaa ctcatccaa tcgatttcgg aacgcagggtg 480  
 aggttgattc aactggtaa gacattccgg cgatgcgtca tttgtcgctt caacgccacg 540  
 agtctcgaaa gcctgagtct ttcagcatca tgaagattga cttcgagcct tttgat 596

<210> 8121  
 <211> 794  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 8121

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 aaataaaaaa ataaaaataa aaagacaaat tcaataaatc agacttggaa gcaactgcagc 180  
 tctcccgctc cgatggaaag gtacgcgaag tagtgggttg agcgatccat caactgcccc 240  
 ctttcttget ttttgtagg gttccccaac actggcgcca gaccaccatc gatatttcag 300  
 gacgcagcgc tgaaaccacc gatctgaggc atcgggcgac ctgggcacgg tctttgtgac 360  
 tctctgaagc taatattgga attcggcttg cctggtcagc caacgtcttt caggctgggt 420  
 gtagctgaaa gggccagagg acgccgtagg agttgtgatt gctcccaaaa aataaaacgg 480

tggatgatga gtaatagtac gggaagagcg aaccaacagg ggcattggcgt caggtcaggc 540  
 ccagccacca tcttccttga aggccaacat gaaactgac tggaataaga acatagagga 600  
 agcaaattac tagagctctc caccagggcc cgccggggaa tcagagctag ggaaccgact 660  
 cttcgacag gtttgatggg ttgatggcga taccgaggat ggatccgaat ccagactcca 720  
 tctgcaccag acccgctctt cttaatcaat cctcgcgtg gtgacgattc cgacgaaaaa 780  
 gaccagaatc aggg 794

<210> 8122  
 <211> 533  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 8122  
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 aggggtgaatc taatcgataa ggggacaaca ataggagacg tatctgtcag atgggtgtatc 120  
 aaccacttca ggataggtct atgaaaggaa tgaacgctgg ggagggaata tatgcttaag 180  
 aagcgagcat aatgcccata aatatcaatt cgagcgaggt tgagagcatc agcgatgacg 240  
 ggatagttaa cttggctcgt cgcccgccgc cgcaggcgtc cttcccgatc ggaggcggca 300  
 ggcacgtgat tattctctgc cactcaaga ca'cagccact actaccacgt taccagccac 360  
 cccgpcgtta aggcagtac catccaatgc cgcggagccg ccctactagc ctcagggggg 420  
 gtttgccac gactctacgt cagcttggtg tctcaattct tctgcctttg accagtcttt 480  
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<210> 8123  
 <211> 982  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 8123  
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 catgccaggc ggatgaaaag ctcgggggtc accaaggggg cagtccgcga cgggttttca 180  
 agtcagaaag agctgcgcgc cattgcgaga ggggtggagg agtgggttgc gcatgaggat 240

ggggtggtttg ggctgttgca tgggcagatt ctatgttggc agtagctacg ggttgacgga 300  
 cggaatggta ggtaaaagtc acggccagat acccatagtc tgctgaatgg tcttcatgta 360  
 atatctgaat ataataaata gattatatat atacatcacc gccatccacc tgcgtccatc 420  
 acctacgcct ggctgatctc gcagtgcaca ccctctggca gtccagcgct cttcaactca 480  
 tccgccgaaa caccatcagg aacaacgaat ctaccggcat ggtattagca aagccttgct 540  
 tttcggaggc gtgggggtct ggttcatacg atgtccgatg cgtaggcggc atgtcctctg 600  
 tcgagaagaa cggggtctgc tcagtggctc cttttgctgc gaaaaagtct tttgttctgc 660  
 caggaaatat tagcgctctc gaaagaaaaa gttgtgagag gaccagggtg atacatctgc 720  
 tcaatctggc ttccatgttg ctggtaggcc tcgcggctgt cgtatttgat gatcgcggtc 780  
 tgtaggagt cagttctggc aaagtgagtg tgtactatgg gagagtggct tacgtatttg 840  
 ggcattctga tggttattca gaggtagctg ttcctgacca gtgcatccag tggaaagata 900  
 aaagggggag gggctctaata tgcggggtaa gcttagtacg gggacgggat agatgacatc 960  
 atccagataa ggcagccggc gg 982

<210> 8124  
 <211> 854  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 8124

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 gctcagcggg aaacgcaaca ttgtagtggc ttcgttgccc ggagaatgag ataatttggc 180  
 cctcagttct ttcgtcatca caagcgagac aacgaattct tcgatatcac gggaaccctt 240  
 cgagcaagac gaagcccgtt gcagtacatc gggcattgtg agagcagaaa atgttttccc 300  
 taactttatg attaagaact tgtcgtatgc ttcaaagacc tggtaaacia gtccagagtt 360  
 tttatcctga gattattagc atgatcgggc tgtcagacgg taagggtgtc acgcacggcc 420  
 cgccaaattg tttgccctag actaatttcg gttctcagtc tttggaagtc acgtttctcg 480  
 aacgcctcgg ccagcgagat gtatggcttc gacaatgact ggtataccgc ggtaacatga 540  
 ggagcgacca aatttgggac ggaaaatagc tgggagtata gttagttaag ccgtgacatg 600

catttcggtc ccaaattaat caccttcccg tgcccaagca gattcgccaa aaccacttc 660  
 ttgtatgctt ccaccataat tttgctgacc gagttagcgg ttggggccga tataacaatc 720  
 cccaggcaat gagacgcctg gtcccacttc ttgagagcca tataaaccat cccgctgtac 780  
 atatagaatt ggaggtggtc cggatatgta ggtttgccga aaaccagacg aatctgtaaa 840  
 aaatacgggtg ctag 854

<210> 8125  
 <211> 1521  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 8125

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 atgcagagtc gccggcccca ggatatcgtc aatggggagc ctgcttgctg gcttctccaa 180  
 agcttgaggg aaccacccag catggagaat agcgctgact ccgctgatat ggtttgagcc 240  
 gtgagcagcc acgccgagaa tatcgacctc cacccaaacg aagcccttgt gcgcatgcgc 300  
 aataatctcg ttcgtaggct caggtacaac agcggcgta gccctccaac cggcagctag 360  
 aatgtccctc gtcccctggg atgcgtcctc ctgctcgag acggcggcaa taatgacatc 420  
 tccacgcaag ggctcgcaac tggctttgat cgctgaaaga gccgctaatt cgcttgcgag 480  
 cccgcccttc atgtcgagac tccctcggcc aaggaccacc tgttttccgc ccctggtgcc 540  
 aattgcgcca gagagtgc atgtctcgta gcttgctaga ctgactgtgt cgatatgacc 600  
 gttgaacatg agcgccttct ccccccgct gccctatga atgccgacga cagaaggctc 660  
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 gatagggtag tcgcggggtc cttctgtgct cagcagcacg acaaccgaat cttcggtcag 900  
 tagtgactcg gagcattcct taactcgtct cagtgtgcc agcgacgccg caccacaggg 960  
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 ctgatgagaa tgcgccatca tttcggtcga cactttaggg ctccagacag cgttataatc 1440  
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 tgataatccc gggtccccct t 1521

<210> 8126  
 <211> 434  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 8126  
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 gcggcctccc tcggcgaaca gtatcagcgc tttcaaaaaa tcgtaccgca attgctccct 180  
 gcgtccaatg acattatcct ccccgaggc aggtccgacg tgttggaatt tctcgagaac 240  
 atcgtcgtcc actccgtaat cctgcacgtc cccacctaga gcccgcgcaa gtgtgccggc 300  
 ggctgcaca aacctgtaag ctgactccct attacgtcgc agcgtctgct gcactcgcac 360  
 gatttcaggg gtgggattgg gggggtatct ccaggctctc atgatctctt ccatctgagg 420  
 taaagagggt cagt 434

<210> 8127  
 <211> 1078  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 8127  
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 gtagtgatca ggaaggtaac cacggccgcg atggcggtca gcacgagcag gcaatgatcg 180

ttccgccgcac agcctttcttc tgccctgtca ggccggagaag aaagagcagg atagaggtct 240  
 tgatgagggc gaggacgggg ttgtagagca gttctgcctg tatttttgtc aggcctaatt 300  
 cttgatgtgc ccttcgatgg gatggcaaac acctactgca taggaaaatt tcgcacctgg 360  
 tgtcgagtcc cagtccgacg ggacgtccca aatatggtag ccgacgtaat tgtagttaat 420  
 cactgcgatt ttcagtttga cagtcaactgg agtggtcggg agagagagag agtacgaagt 480  
 gacagtctcg ccctagtata gaatctgcaa atccttaagc cattgtccac ttccaaggga 540  
 gaaaaaagac acttaccocg gccacgcata tcaccagtc atctgtctct attaacacgt 600  
 gagaagggcc tcgtcgcttg gatttgtaga cgcttacctg cggcaaacga gcgcgtccat 660  
 acttgatat acaccgcag aaggccggca acagtcgcaa cagctggaaa ggcaagatca 720  
 tgccaatcgc ctgcgcctgc aggttatcgt ggggcagatc gcctgtaacg gttgtggcca 780  
 tggcgagaac tgagtccctg atcggttcaa gcggcaagga tcagcatgat atatactggt 840  
 gggtcaggaa aaggaaatca agaaatacac atataatcca ggcaatgtcc cgtttatgag 900  
 gttggggttg aggtcacaaa cgattttctg tgccgattcg cctccgcaact aggttctggt 960  
 ggtcattaat aagatgaatg actgtgttag gtgaaaagac tggcattttt cctgtcgtta 1020  
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<210> 8128  
 <211> 1221  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <223> unsure at all n locations  
 <400> 8128

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 atttggtgga acctgcagac tcggagccca gggaagcaca ggacagcaca cgacctctcg 180  
 cttgtccatt gcatactga ttcccgccct ctccctctcc tatctttttc tcattccctg 240  
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 tctcctttac caagtatctt tgaactctct gcagtttgat catcccttgc cctctccacg 360  
 gctcttatcg gtcccaaaaa aaaagctttg ttagattga agcttccgca cagactcaaa 420

catggccgac aacagtgaag tcaggtatcc cgacccaaat gccagtaagg taagaacatt 480  
atggagccct caaccaaggt cgttctctca agaaattgaa gctgatattc ttttctacgc 540  
tcagtaatac catcatcggc tcagattccg gcgcccttgc gaaaggtcac acagactaat 600  
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ttttccgtaa tattactgac gcgctgctag gcccggttgc tgaaaccatc cgatccgagg 720  
cctcccgcac tggacaagaa tttcgcgacc tgaagagcgc caaagtgatt ctttcgacca 780  
ccacggccac cggccagccc ctgacttgtg cgtgaaacaa ccggagttcc gactgaaaag 840  
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<210> 8129  
<211> 1272  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 8129

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gtcctcatct tgggcatcac tgttttcacc aggctggctt ggtgcggtgt ccttggtata 180  
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tgtgccctgt aagcacgccg tgacgattag aataccccac gtgctccagc ctttctgcc 300  
caaccgtgcg gccagactgc ctgcccaaac aagcgcacaa ggcgtttgaa tgcacatcat 360  
tggttatgct caggctgcct acacagcgga gtctgagggt ggtgtatatc tgagggaat 420  
attgtataga ggcgaggata gcggcagtaa ttccgcagaa attcgaccaa gattgaagcg 480  
ccgagggtt ttcgaagcca accgcaaagg taacaatcaa catagccact gcattggacta 540



tgcatataaa ggccacaacc agtgcggtcc gataagtagg tccttctttc cgcggtactg 600  
 aaaggggagc caacggattt ttgggaaaga acacaacaaa gagagtgagt ctgcaggaca 660  
 agttaacctc gcaaactcgg caagcagagg tcgaagctta catcgcgaaa aagctaagca 720  
 gctgtgttgc aacctgcaga atccctagta atcctgcaaa gcacgataac cactgacat 780  
 ccttgagca tgagacgtct tgcagcgtct gccgctgcga caccatgttt gccaaagcga 840  
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 gagcggcgat tcggactaac tgcggcagat aggaaacgag gattccgagc acgatcaagc 960  
 tgatttggat tagagactac gctcgagttg tggaaggga acatacatgg acagaacaaa 1020  
 gttcagcagg cctggcgaaa ccaggtgccc gcattgagta tcagaagaag ccatcatgat 1080  
 gtacaggatc gtagctagga ataagaattc gtagcgggat atggactctt aaacaagcgt 1140  
 tgggcacctg tcggtactga gttggcagag gcagttaccg gaaccaccag gtgttcgacc 1200  
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<210> 8130  
 <211> 138  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 8130  
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 atctataagt gcaacgtaat tgctaagtac gagctaacgc ctatgatagt tgtgcatcac 120  
 caagtagata tcacgcaa 138

<210> 8131  
 <211> 1001  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 8131  
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 atcatcaagc cttccttctt cctcaaattg cgtgggttag ttcaattgtt aacggcatcg 180

gcagtgcagc aaactggctc ctatctaact ccggcctcat caacaatggt ctcgggactg 240  
 tgcattgcagt ttcaaacggc cagttttccg gcttagggac tctggagggc tatgtttattg 300  
 tggaacctgt aactgcagca gaagaagact gcaaaaatga cttgattagg aatttttagaa 360  
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 acgggtggcac acagtcaagt gcaaccctct cgggtctatg gacgaatcca ggtctcactg 480  
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<210> 8132  
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 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 8132

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 gacagcacgt tcgttgatct gtgcacatta tcagtaccgt gttgtttgat tcacctgtac 480  
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atttgggctg ctcttccaat acaggccgaa gcgtggtagg taaagatgtc atggatgagc 600  
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 cgtgggccgc gtcgagaaac agccaggggtg agtaattgtg cctcgtggag cccggcggag 720  
 gggaattcgc ggtcacaata gtgtcaagat attcgacaaa tgagacagca tcatatgtga 780  
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<210> 8133  
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 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 8133

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 aaaatcatcg tcatccaaac catcatcatc ataagcggtc gtctcaattt tgtcactcct 180  
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 aatatctcca ctaggcaatt ccttggccag ctgcttggcg aactccggca gccagagtgc 360  
 atactgcggc ttcttgctct gcgcgggtcaa aagcgggtaca agcgtgttcg acaacgtggc 420  
 aaattgctcc ttgggtcgccg gcttgaacag gggcatcgcg gaaagatcta cagcctgcgt 480  
 cgggtcgccc gaggcgtcat gcacaacaat tgtcttgctt ttgccccggg tgcggttaag 540  
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 cagcggcgcg cttctcgcc tcgtcctcgt cactctcgtc gtctcttcg tctcggcgcg 660  
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cttcagcttc agctttggca ttggcttcgg cagacttcgc gttcttctca cgctctactt 780  
cgc 783

<210> 8134  
<211> 934  
<212> DNA  
<213> Aspergillus nidulans

<400> 8134

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taacaacaca cgtgtttgtg cccactcgag aactaggcct ctccatgaag acgtttattg 180  
cctgggtctg gaattcatgg agagaaacag cccaatcctt gcacgagtac tactatgac 240  
ctggaagact atcgaatcga tccttggact gtgtgccgtt ctttaagtag ttacactgaa 300  
ttatggcttt ggctcctttc aggaagagtg aaacaaacag gcaccgcgtc agtcaacaa 360  
ggaaccaagt gatctgacca ccagcctcgg gtaacttcgg cttacaagct tgactccctc 420  
aaagagtcac caacgacctg ataatgcac tggagagggt ttacatcttc cgattgggat 480  
cgatctgtcc tacaagcata tgcttgtgct aatctgatac ttgttgtttc cgattcgcag 540  
aattcggatg aactcgaaac agtgatcttg aaacagtaaa ctgggagggt gggaaagtgt 600  
taacctcaca acagtgggcc aggaggacgg acaagcttca agacctctgc caactggatc 660  
cgattccgag tccaagcaaa cttgcactag atccaggatc tataagggtg ctgtcttcag 720  
tttggttacc ttccaaagcc ccccagcacc attttttaaa ccattgcttg cgcaactcgt 780  
ggctttgtcg ttgcttggct atttaagacc cagacctggc tcccagtgac tactgcgaat 840  
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ctacaggaac ttaaattttc gaactttaga tacg 934

<210> 8135  
<211> 789  
<212> DNA  
<213> Aspergillus nidulans  
  
<223> unsure at all n locations  
<400> 8135

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 acaaccggcc caagctgaac caagtccagc cgaacctgcc cgccgtgtgc atacaaccat 180  
 aagaggccgc cagttggaca ttaccggact ggaaattgat ccagaatatc tcgaagcgct 240  
 ccctgaggag ttgcgtgaag aagtgatcat gcagcaattg gctgagcagc gctcacaagc 300  
 tgccgctgct ggcgaggagc ccagtgaat caatactgaa ttccttgacg cattgcctcc 360  
 tgagattcgt gatgaactcc tccagcagga agcagccgac cgtcgacgcc gggaacgtga 420  
 aaatgctcgt aggcaagcag ggacaggctc cgccgctgcc gccgctcatc ctgaagaaat 480  
 ggatccggcc agctttctcg ctacgcttga cccaacttta cgttctgctg tccttgctga 540  
 acaacctgaa gaattacttg ccacctcgg accggagttt gtttctgaag cccgtgctct 600  
 ttcaggagga aggtcgaggc tcaccaatt cggcgatatc ccaagagtag atcaccgcca 660  
 gcggacagaa caggccgacg atcaagagcc aaagaaacag caacgccgcc aaatngttca 720  
 tatgctggat aaagccggag gtgccacact actccgaatg atgtttatgc cttttcaggg 780  
 caatgcgcg 789

<210> 8136  
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 <212> DNA  
 <213> *Aspergillus nidulans*

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 ccagcggat tgctctcaat gtatcgtctt tgatgtgtta atccgtcaaa agctttaaga 180  
 ggatttaata cggagttata agtggttgag gaggaggctt ccaccgttca ataaacgaag 240  
 gacggaccaa ccaaagcagc gggagctcca agtcagggtg cctgcaaccg cctactctcg 300  
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 tcacgtcatc tcgtgtctct tcagcttctc tgtagcccg cgttccactt ttccgcttct 480  
 gccctgagct gccctgttag tttccagcca ccaacgagcc agcttttcgg gccagcatc 540  
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gttatctcgg tcgttttctt ctagcgagtc gttgcaca 638

<210> 8137  
<211> 125  
<212> DNA  
<213> Aspergillus nidulans

<400> 8137

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gtggtt 125

<210> 8138  
<211> 831  
<212> DNA  
<213> Aspergillus nidulans

<400> 8138

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gctggatatgc agcttggtcga cgaggaactg gtagtactca tgcgcatacct gctgttgata 180

accagccaag gtctacacga aagtcagctt gtcgcagctt aagaactcgg aaatgcacct 240

actgggcttg cacgccagga ggccagaagc aggttgagcg ccgcgaagcc ctccggcttg 300

tcgatgctgt ggaaatcggc aaaagcttca gcaacagcgc atccaatgca atccgcaacc 360

gtgcaatcat gcggttggtg accattaccg agaaagtagg tactgaggat cggatcatgc 420

aatagcgtct gcagaatgac gttcaggtag catgtctgcc cgagattgaa caagcctcta 480

acgccttgct tcgcacacgg ccgcgggtta gcgttgctct tgacgtaaag ttcgtcggcc 540

gagctctcgc taaaacgccg tttccttgcg actgcagggg attagctaac gaacaagaaa 600

ccgccggggc tcacgcggac cttttaatgt gctctctggg gttgctgata tgcatacgtc 660

taggccgtga tcgtacacca aatcttcgca gccctggcaa aacaaagctc ggtttctcga 720

ctccatgtct gagcgaatta gctctgcagc cggtgccaaa tcaatacctt tcaattacag 780

aattgatgac cagtgttttc tgtgtgtgac ttccggctgc cattcatata c 831

<210> 8139  
 <211> 226  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 8139

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 cacaggaccc ggtggcgagc aggagagctg ttcactcgga attcggaaga ttgataccga 180  
 gagtgagctg taccgatgcc cacaaggttg aacaacgcaa tgaagc 226

<210> 8140  
 <211> 575  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 8140

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 catcgccgta tctccccggt tcaacaagtt ttactggacg caaaaggggg cgccaagag 180  
 cgggaggggg cgcacacctt gcgctggaat tcatactcct cctggcccca ttgcagccgg 240  
 agccgacaag gacgaggaac tatgtatcct gagcgggctg cctgagccaa ttgacctgga 300  
 aatcgacgaa gagaggggtc aattatactg gacagaccgg tgcgagttgc cctggggaaa 360  
 tgcggtatat cgagtgcagt tagacagaga gggtcgacca gtgagaaagc ctgagatcct 420  
 ggcttgcggg cttcatgaag caattcggac tgagcctttg tcacaagtca ggagatatat 480  
 tattgactga ttttgccgt tttgtctacc gaattaaccg tgatggcaag aagaggtggt 540  
 gtaccggaag atgacaagct ttacaggcgt ttggg 575

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 <211> 718  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 8141

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tctcattatt catagattct gtgtaatgta ccaataatct atcctaaacc acatttccca 180  
ccaaggagca tctgacatct cagttatcct cgtactccag gccatgacca tacctgaaga 240  
caggattctc cgtatcgaat ggcagatcct ctgcctgcgc ctgcacagcg tccattgacc 300  
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tggcctggcg tgccttctca gtggcgtaa atgcgagaga acctgcgtgg aaattggcct 540  
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cttcagtggg gttgacgacg gtatagttcc tggcggacat gaaggcggaa tcgaagcctt 660  
cgatgtagaa tcttgtaccc tcaccaggtt tggcgagagg aaggattgtc tgattggt 718

<210> 8142  
<211> 392  
<212> DNA  
<213> Aspergillus nidulans

<400> 8142  
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tctcactctg cgtcttcgca agaggcttgc gtacgccgta catgtaggca tgagttagata 180  
tacttagata ttatataata tcatataata tgggaacagg gcaggatcga cggcgcatga 240  
cgcaggacaa gaatcatacc tctagctatc tacgctatca gtattttgag aatcgtaaag 300  
taacaaaata tggctctgaa gctgggctct gaaatatttg ctaacctgtc tggatcagtc 360  
acaatgtaat gatacgtttg caaagtagtt tg 392

<210> 8143  
<211> 1151  
<212> DNA  
<213> Aspergillus nidulans

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gagaccgcga agccgcgaac attgagagga cttttggtag aattcctgga ggactgagcg 180  
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gggcggttta ctggctttac tggctggtga aacataagtt cgtaatccag ggaggttgag 1080  
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tagggtgccg g 1151

<210> 8144  
<211> 450  
<212> DNA  
<213> Aspergillus nidulans

<400> 8144

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acagtcta atcagcgtgcc ttgtccatct ggtcggttgc cgtgaggtga ggtcacagcc 180  
ttgctcgaac ggtagtgagg taggagcgca cggctagctc ggcgttggtg tggatggcgc 240  
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ctcgcttggtg gttggctagc acctgggctt ttaggtcggg aaggttgctg ttggatgtgt 360  
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<210> 8145  
<211> 838  
<212> DNA  
<213> Aspergillus nidulans

<400> 8145

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tcggtcgtag ggagctggga aaacatcctg cctattttcc tatctctgac gagtatcggg 180  
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aagaacatac ggtgagccaa gggtttgaaa gtagctccag ggacgatgca gcaagcagaa 360  
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tcgtggagtt ttacgaaggc ctcgcgactc atccggatct agaagtacag gaaagggcta 780  
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<210> 8146  
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<212> DNA  
<213> Aspergillus nidulans

<400> 8146

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gacatgcat atcaaaaagtt gaaggtggtg acaaggacga gcgcttgata tactaaaaag 180  
caagcctctg attggggaat attagtcac gaagctttgt tgccttaaag tttgtactgt 240  
cttgctgctt gccttgctct tgtggccgtc gaagacttcg accaaacgac gcctcttttc 300  
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agccgataca gacggcgaag aaggggcgagc ggcggagccg ggcgcttagc cgtacaagt 780  
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caattcacia gaatgggctt cttggagatg cccaagctac tctgacaggc ggaactcggg 1200  
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<210> 8147  
<211> 406  
<212> DNA  
<213> Aspergillus nidulans  
<223> unsure at all n locations  
<400> 8147

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agctaacctc acaattaaaa ttgcgttgca gcctcacctt gcccgnnctt tccagttcgg 180

agaaaacctg ttcgttgccc aaagctgcaa ttaaataaaa aatcggccaa aacgcgcgag 240  
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 ctgaccttcg gctgcgcctt cggtcgggtt cggcctgcgg gcgaagcggg taatcagctt 360  
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 <211> 1741  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 8148

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 <213> *Aspergillus nidulans*

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 ttgtttgcat ttgtcgtcgt ctgtttgtct gatttaagcg gacgccttcc cagtccttcc 180  
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 cttcgctgat gcgacttagc cgaaaggcta gcatgtactt tgtaaaaacc aaatcttact 480  
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 ccagaaggga ccgacctgc ggccgagaat gactggtcac tactgccgtt catggcgctt 600  
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 <212> DNA  
 <213> Aspergillus nidulans

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 <213> Aspergillus nidulans

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 caagtcttaa ttggcgtaaa ggttaagtca tctggcattc cccaccagg ctcgttcttc 180  
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<210> 8153  
<211> 1368  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 8153

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gactggggta ggaccaaagg tggtaaaggc atcagctaaa taaaagaaaa gggthtattc 180  
ccgtcaagtg gaggaggacc ctgtatagtg aagcatcgga atgcatggac aagaccacta 240  
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<210> 8154  
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<212> DNA  
<213> Aspergillus nidulans  
<400> 8154

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cataacacac gtagttaata acatgccggg atcagggttc aaccagcata cttgggatta 180  
gactcctacg aacaaacgaa ggcagctgtg tacttaccct aacctgtaca gcgtcggatc 240  
tttataagag agttggaaca tgggtgagttt tgtgcaaggt ggctcataca gagatcagag 300



cctaaatcct gattgacttg gaatgactgc ttgtaaaagt ccctgaaaac atacagagga 360  
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aaggttttta atcacaagtt ggggtaaggg cattagcaga tgacttccta gttctaggct 480  
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gg 542

<210> 8155  
<211> 880  
<212> DNA  
<213> Aspergillus nidulans

<400> 8155

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acgtactgac ttcaataaga ttttgttgct gaggtggaaa agttcactact cagcaagttt 180  
tgaattgtac ggtccctgga cgagcttata tcggaatatt gttatatagt tgctctatta 240  
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acaaccagct ttacactgag agcttcttac aactaccatc ctcccaacct cttaaagacc 420  
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catgactctg ctagccatct atcaccgtag gagcccatgt tggcggcgca agacgacgaa 720  
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<210> 8156  
<211> 869  
<212> DNA  
<213> Aspergillus nidulans

<400> 8156

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atttctctag cgacctgtcg tgcgtaagca tacttccaag ttttcgacaa catacctgaa 180  
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<210> 8157

<211> 845

<212> DNA

<213> *Aspergillus nidulans*

<400> 8157

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ctatcatcat gaaaatctag ctaatgatca aaggagatgt gaacgacttg cttattaaag 180  
gaggctttta ccgaaagggtg cgtccagact agccagagaa gtgagcagta ctgacaaccg 240  
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aggagctctg ggagaaatct gggcgactta aggacaattc agaagtaata tgcgccgtaa 480  
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 gccactcgt acaaactcct gccgattcgg ctgtatcaga tctgtgagtt gaggtaggag 660  
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 caaggcctcc tccgtggtcg agaattcatc atgaaggatc tctacacctt tagaagataa 780  
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 ttgcg 845

<210> 8158  
 <211> 158  
 <212> DNA  
 <213> Aspergillus nidulans

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 cgcaagacac gcaacgccat actccacgcc aagcatt 158

<210> 8159  
 <211> 468  
 <212> DNA  
 <213> Aspergillus nidulans

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 tcgccaacgg attcggtccg acatcgctgc agtctccagc ttcaacttta tcttcggctc 180  
 tatttaagat cgtcctggac cctccctaac atccaaacac accaccaagc ctatatactt 240  
 acatcaacct tcccactcat cttcacgac gaattacgaa tttcgcaatg taccttcttc 300  
 ccgagccagc agtcggtcaa ctctccggg acctgacacg cgcgcaatgc ctctcattcc 360  
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<210> 8160  
 <211> 691  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 8160

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 ctaccaact ctgaaaggcg atcaagtgtc tctagactac acaactcaga cgcaacgatg 300  
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 ggaaggattt aataccgcta gtctggagaa gaggttgcta ggaaagggta ttctgtccca 600  
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<210> 8161  
 <211> 111  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 8161

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<210> 8162  
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 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
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 <211> 368  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 8163

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 <213> Aspergillus nidulans

<400> 8164

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acctagttct aaaaaaagct taaataaaat agtatattta gtaaaatata gtaactagtt 180
attagaataa aatttaaagt tatattttaaa taataaaaca catatcacct aataattcta 240
aatatactag ttcttattat cctagtatat tttctactaa gattatatta tattattact 300
agatttccta gaatactaga aaaccgatat cataagctta ctaaaataaa tgtttaagta 360
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<210> 8165  
 <211> 205  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 8165

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 tgtggcgggcg gctcgaagag ttgcgagata tagcgacact tnaggacgag gataggaaca 120  
 tattaactgg cgatacatat gtgtaacgaa gtccgtacgc gtcaagcggg tcatcgagct 180  
 gcgcggacgt gccgtgcgaa ggcac 205

<210> 8166  
 <211> 525  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 8166

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 tgcttcctct tcagtcgtag ttgagggagg cacttgctcg tcaacagggtt cttgggctga 180  
 aacctcagct tcaccagact ctgcagcggg tggctcctca gccgccacta aaactggcgc 240  
 ttcttcagct ggttttgcta cagaaggttc cccggtgggc tccgccagtt tttcctcatt 300  
 ggctggctct gctgtagagg ccggttctac aggttgagga ggctccaggt ccttagcctc 360  
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 gctggatcag agacaggagg atcggcagga acagcaggag ccgtctcttc cccagctttc 480  
 tcagcagagg gagactgttg tcgactcttt ctgttcttct tgtct 525

<210> 8167  
 <211> 399  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 8167

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 caactccgcg gaagttattc tggagaacgt gtaacagggc gtgccgcaag tagaccacc 180  
 agataaatat gtgcactaac ccctgattaa gaatacggag gccctcagtt actcatccga 240  
 ggctcgatcat acccggaatg tggaagagca gcctgaagcg gggctgtcta ggacgcatac 300  
 tcacgcgcca gaaaccagta cgccaccggt tcaccgtgca tgacatcctg caaaatgctc 360

accgtcagca aaacacggac aaacggcttc ggggtgcagg 399

<210> 8168  
 <211> 154  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 8168

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 acggaagaag atgccgccac aactagagta gctg 154

<210> 8169  
 <211> 991  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 8169

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 ggggtcccaga gaccagtccc aaatctacca aaggaatcgt ccgagtgtgt gccaatcaca 180  
 gccgctgagg ggtcttccag cccacccaa cagcacatgg ttttggaaacg gcggcttctc 240  
 attaacgcgg cagctaggat aaggtagcga gttcagtaga aacactcaga agtgctagag 300  
 ttgaagagga caaacttggc ccatttccaa tcccaaaacc gctcaccagc gaatcagctc 360  
 tccttcacg ttatccacac ctccaacgcc cctagaactc cgagaattcc gtcatatctt 420  
 ccaccccccg gctgcgtatc cagatgactc cccatcgcaa tcatgggcct acgtaggcca 480  
 actctccctt gctgtctcgc aaacatattc cccatctggt caacagttac ctcgcacca 540  
 agtttctgca cctcatcgct gaaccaccgg cgtacgcgcg cgtcgtcctc attcagagtt 600  
 aggcgcgcca tgctgtttc gtgggggttc ctggccgtga acatgtcaat ccggagtaca 660  
 aagtatagtt tagtgaggtg aatatgggtg tttgtacggt acgtactctc cccagcgatg 720  
 cgtagcgccc catttacagg tctcgtggat ggtttcccag agccggcttt gggttgatttt 780  
 aaggccggag ggagcgagtc tggggatctt ggtcaggcgc atttcaatct tttctggttt 840  
 gaatatgagc gagtaaacga aggaagagta cgaatatctc ctatagaggg gtttaaattc 900



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 taacatggga tgggaggcag atctgaaaat t 991

<210> 8170  
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 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 8170

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 tgatgtgctt gtaacgcaag tcttgaagtt agaccggct gtagtctgct cgtaggcctc 180  
 caatgcctct tggaaccggt ctttctcaag catagcatcg cggtacagtt catctctata 240  
 cacagtatac gtcagttgta gatgtggcct tagactgaac ttcatacaag tcataatcgt 300  
 ccttggtatc aggactcggc gtgctctgag atatttccat ggattctttg tctccccgc 360  
 gaaccgagct ccgcgatgcg atcaattgag aatttccgc aggcgcgttg ccgtgatctc 420  
 tgagagcgtc aagagcggga tggatgtcgc ggcgtagctt tcgtctcaca tagccatcta 480  
 ccaagttccc taggcggtgg cgagcgggccc tatccgtcac ctggctcatg gattcttagc 540  
 ttttgtcgag agataccaat ggtgatggta tagggcttca gataagagtg tcggcggagg 600  
 tggacaatgt gcgtagtgac gaggagataa gccgcgacag tcaacatgca actccatc 660  
 aacttgccgg gtaggaggcg tgctttgacg ctggctttct tgaagctgca acatacctcg 720  
 gcttaagatg cgttggcagg agttgattgg tcataccggt acctagtgtc tatatacaca 780  
 aggctgcggc ggacgctatg gtagtatcac gcccctgat tcgtgcaata ttgcgctatc 840  
 acatttgtag tcaattgagg ctactacat atagcctaga gaggccaga aattgtttcc 900  
 ttactcgact gatgcttggg aattcccgcg gttttatcct accgaggtga atctgacgat 960  
 atgggagacg cccctccgcc agcagccaat gatgagctcg tcacgccact gctctttagc 1020  
 ttgagcagca atggtgctac gaagggaat c 1051

<210> 8171  
 <211> 1426  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 8171

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aggggcaaag tccgcctcaa cagccaaggt tctgtttttc ggcttccgga cagagtcttt 180  
tgatctggga cgtaagaagc agctcgggtga tacgatttga cataaacttc atggatcgaa 240  
ggagattcat ggggcatcgt tacgaagtca ctggcgtgca gcatgctgca gctggaagta 300  
agcgatgtgc tgtgattggt tcagcagcag aggtagtttg aatttgcttc cagacttgga 360  
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atggttatgt ctcgtgatga taaatacgtg gcattcactc tcagagacga agtccgagta 540  
tatgaaatth gtacgactga gatttctcag gttcaactgg gtggtaaaac aggctattat 600  
gccgctggaa atgtcccaga agcacactcc agtggtaagc atgagacatc agcccaaggt 660  
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caacggcaat ggaagcttga accaggtggc tccaaatcct ttaaactccc acctgtacgt 840  
aagaagatcc attatccatt aggaagccac taaccatctc cagtggagca ctgatgatgg 900  
agatctcacc tgtgtgttct acgacagctt taacgaaacg gtcattctca cagcatttct 960  
cgctagagaa taccgatat cattctcact ctctggcgag gcgcccagca atggcaccat 1020  
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cggtatgaag cagatgtatc tgtgcgactc gaccgccagc gggctctctca tcccagacgaa 1140  
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ccgaacgatt agcctgcatg ccggtgggga ggctgtcagc gactatgatc tgcggtcaga 1320  
attcgaccgg ttgctagtag atcgtccact ggctgacttc caccggtcgc gtcaccagcc 1380  
atcatcgctc tcgcggcaga tcgactcaga aatagaaggg ttgcag 1426

<210> 8172

<211> 977

<212> DNA  
 <213> Aspergillus nidulans

<400> 8172

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 cttgattttt cattttcaca ataagaagag aattaaaaca aagacattga cgaaggggga 180  
 gatcaggatg gcctagcaag caccgatggt ttcgggtgtg gtcacttccc tcttctgggg 240  
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 acttctcaac tgcaggagtt cccctttcca cgcccacgcc attcttgctt ctttcgcttc 360  
 ctccaccctt taccgaaccc ttgcctctcg ctgggcaccc caaccggaag gggaagtcgt 420  
 ctgtccctca ggaggtaaaa gggctttttt catccctctt ccgccttgac acattttggg 480  
 ccgcgacctg gagattggga cgctagcttt ccccttggtt tcggctcgat cgtttcaggg 540  
 agaccttttc ttcttttcag tcccccttcc cgttacaccc gcgatgcgta tggttttaa 600  
 ctcatctcta ggttctcttc cggacagaa aacaagagaa cgagaaagcg aaagcaaaag 660  
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 aagcgacagt gagaatcgag tgtgaaaagc gagaagcgaa agtgtgagtg agtgcgtag 780  
 tgtgtgtgag tgtgtgacca tggaagcgtc tcgcacgcgc cccggggggc tcatgctgcc 840  
 tagtcccgtg gattcggctg agtcacttgc ctcgctccagc tccaatacca gtcacgatc 900  
 cagcctttct gactcgccgg gggacgtcaa caacggggag ccagagccag agcgcctcggg 960  
 aaacgtcatg ataacac 977

<210> 8173  
 <211> 1437  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 8173

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 gaaacgaatg tacggagtaa caagttcaaa gaagatacca agtaggcata agaagaaacc 180  
 gaacaaacat caagccaaag tacacactca actcctgaac accagagaag acagagtctg 240

cttagtatgt agaccaacca ggctgtggat gcccaggttg cattggctgg ccaggccaac 300  
 ctggcatggc tgggttcac cccataccca ttcccgttg ctgagtaccg ggcatgaaag 360  
 gctgaccagc gggaccgtgc tgcgatggat acatgcctcg tgcagccatc gtagggtaag 420  
 ggccaccgcc ggggaagccc attgacgcca tgggctgctg ctgggggtgtt tgaggctggt 480  
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 gcggatttga tggtagcggg gaagtctgtg gttgaggagg tggctggccc cacatctgtt 720  
 gttgctgcgg gggataaccg tatgggtccag cctgcggcgc aatagctggg ttggaccgct 780  
 gatgcatgag gtcagggcga accggaggca tagcgcgaat cggagactgc gccacttgag 840  
 gctgctgatg cattgttggc ggctggaacc cggcttggct aggcattcatt tgagcttgcg 900  
 gcatcatgtt cggctgtgtc ggagtcgaac tcaaaacact ggccgctgat aggcgcggcg 960  
 actgcatagg gtgagaagca gaagtggtag gttcaggctg tgactgcgcc gtagacacgg 1020  
 gagcttcacg ttgcttggca tagaactcat cgagcccttt ctgacggaag ttacgttgat 1080  
 tcgtcaagat cttgttgaac tctgccgtgt gcgttgccctg gttcaagatc tcagcggcgg 1140  
 aactgggttg tgcaccggtc ttggtacggc tgaccgggtca actcttgccg gagtcgaggc 1200  
 atgctgttgt attcccgcaa acgcggttca tctgtagtgg tggccatatg aatcatcgga 1260  
 agtggctgcg acatggaagc gcccgatccc agcgacagat tactaggcac gttttccagc 1320  
 gcgttactgt agatcacatc accatgagcc agtgttggca acatgttggc agcattcgct 1380  
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<210> 8174  
 <211> 1225  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 8174

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 cactaattcc tggagccagg tcagcgaatt aattggggag ccaccgcgta aattgcactc 180

cagtcacctc catctaccac tccaaggacc tcatcaattg gacgctccat agccatgccc 240  
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 gcaggagtat gggcgtctac catccaatac tacaaaaatc gaaactacgt ctctccggg 420  
 gagtgaaacc caacagagag aaattagtgc gcaatttgta caagatcatc gggacctact 480  
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 cagacacttg ggaagagggc tgacctttct cagacacgga gagcccgtga atgtgtcgca 840  
 gccgagccca ctcaatatac gttgcagtac agtctggacg agggtaaaat aatcaagaac 900  
 gcgacctcgt tctcaaattc tctccttgct caagggatct cgtcgtttac tggaccatta 960  
 tttggacttt acagtacagg aaagtgctat ccaagtctgg tcccagcaga tctcgctgg 1020  
 gctcgaacag gcgagatttg aagcctacac gccaggacca tgtccatgag acaggaccag 1080  
 tgggatagga ccacagatct aatcggaag caatctagaa ctctgaatat ttgtctccgg 1140  
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 acacaggacg ctttgccgat ttggt 1225

<210> 8175  
 <211> 1196  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 8175

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 gacaaggaag aaaataaccg cttegcctac gtgcttcgac ccggcgcaaa cgtgctatcc 180  
 cgttctgtca ctggtgacag cggatccacc tcgagtgagt cgcaggactg ggatatgggt 240  
 aagtggaacg aaattaaggt tggcgatgtg attcggctgg agcgtgatca gcctgtacct 300

gcagatatgg tcttgcttca cgcggatggg ccgaactgta cggcctacgt ggagaccatg 360  
gctttggatg gggagaccaa tcttaaaacc aagcagccgt gccactctgt ggcaaaggta 420  
tgcggaacgg tgggaggtat ttgcagcagt tcaatacact ttgctgtaga agatcctaac 480  
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<210> 8176  
<211> 1425  
<212> DNA  
<213> Aspergillus nidulans  
<400> 8176

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ggcacgctaa gcccaatcta gcagtcatgg gctagttcgg ctccgcctca ctagagtact 180  
catcagaagt ccagtatcgt ttcttaggcc ctcgttactc cagttattaa ttacctagc 240  
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tggctctgtc gccacgtctg tgctttgaat ggaagagacc accatctcga tctatatcat 420  
ccgcttttgg aatgaattg aattaatact cgtacttggc atctaagtat gaacttagtg 480

caacagaaga taggtccttt ggctacattc gacactggtg gtgaaataat cttgaaagaa 540  
cgtcttatat atatatcccg gtttagcagat cagattttga ctaacattgc cgataatgaa 600  
ctctgctggt ttcttcatag gctttcttcg taaagagggt aggactgtat catgttcttg 660  
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gcattgtgat agagcaagaa tatgtacgtc ggctccgata gcatagttga ctatcaaaag 780  
ccttgaagaa atataagcct ctttatttga gtaacctgca acaggcacta taaatctttt 840  
gttcttgccg cagtggattc tcatattgtt tgctagatct cttcttcgtt gggttcagta 900  
ttatatcact gggagccaaa gccgcgccg atgtacacag atatctgagg aagtttccta 960  
gatactgat gaaatataat gctaactctc ggttatagta aaaaacagtc cttgctact 1020  
acttctcat gcataactag gatcggacta acattaaata gaaagaccta ccctgatttc 1080  
ccctgacgat actactcttg agcttcgccg aaacataaga gcagacttgc ctccgtgatc 1140  
cggcaaacca ttgaccaacc gagtagtctt ttcttgacag gataactaat ccggtagaaa 1200  
ggatgggtaa cccgaaccaa ggcagagggt tcttgtgtta tcagaatact gagattgtta 1260  
aggagaaggt ccaacttgac gaaacctcaa gaccagataa aaggatcttt tattgcttta 1320  
ggccactgat ctttttaagg tttaagtttg ggctgtattg acgattctat aaaccatttc 1380  
tcttgtctca catgtcttat tggtaaactc atccatcttt tcttt 1425

<210> 8177  
<211> 972  
<212> DNA  
<213> Aspergillus nidulans

<400> 8177  
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ctactaagat tatgatttag ctcatattata ggttctcgaa ccatctagtt caatttagga 180  
gatactccag gatcttgagg gaaaacgaac tcttctcgca tcatgtcact aacaagggcc 240  
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gcaagggaca gacacggatg tgcaggaatg ctctctcatt gcctaacgga gacttgggcg 480  
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 tattcactct ctacagacca accgcatcgt gtcactaggc gctgtgacat tcgtctggga 600  
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 gctagtecta cccctcccaa tgggtatttca ctgggcctct actttgacca aacctaggcc 720  
 cgtcattctc gtcctcaggt acgacaaggt ccttgctaca ttgtcacacg cggcgacgcg 780  
 ccattggggc agcttctttt ccacgagctc aggaactgca tcctagctat acgtcccaca 840  
 tttagaata acccgccctg ttttagcccta gctaggctaa ggtgtcctac agcgccctga 900  
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<210> 8178  
 <211> 1806  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 8178

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 gtgaatcaaa ctcgaaacag caggtctcgg tttcacctac atatcttaat ataaatccat 180  
 ctttccgtcc cgcgactcca cttggccaaa ctgcgtcgtt gtccaaaaca tcaacaaact 240  
 caccacatct tctgacactt caaccctac gctctggacc aatgtctgac caggagcacc 300  
 attacaaatt taacgtgagc atgagctgcg gcggctgctc cggtgccgtc gagcgcgctc 360  
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<400> 8179

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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 8180

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 cga 123

<210> 8181  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 8181

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 ctgcctggcg gcgcggccgg tgcgacgtg gtccatgcc attgccaata acccgctaca 780  
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cattcaatgg tggcgtcagg caagggaaga cttaataatt accctcagaa gggcaaaaaa 1860  
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<210> 8182  
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<212> DNA  
<213> Aspergillus nidulans  
<400> 8182

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gaaacggggg ggtgacgaag aaaaaggga gcgaagagga taagtctcgc cagagtcgcc 600  
ggaggagaaa caagattgaa ccgaagactc gagccgacta aatttaacat tgtgcacaat 660  
ctttatgaag aatattagtc agcatatcga tgagcacgct tgtccgcttt gagaactgtc 720  
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<210> 8183  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 8183

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ccatttctcc tttgaagact tgatgagttg gtttaacgcy tctatgtaag gtcattccat 720
caaggtaaac gtctccccct ccattctccc ctccatcttc cctccatct tccctacatc 780
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 <213> Aspergillus nidulans

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 <211> 679  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 8185

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 catatcagcc gcctggggcc gaacttagga aacttgtttt cttgttacat aattctgttg 240  
 ttataacttg cgcagagtct gggcctggcg cattttcggg ggcgccctcc agtctacggc 300  
 acgctccgga agcgccttac attttgacca taccaaatca ttttggaatc accatcccc 360  
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 ctctacccta tagtcgaaac gaagcccaa atttgattaa tactcaacc aggtgttat 480  
 ttggacgtgc ttcacttgca taccgtgggt tactccaact ttcttgacct cgtacaaagg 540  
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tttatcaacc cgtggcagac ctctcttccc cccctttttt tcccctccac gactacggct 660  
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 <211> 1022  
 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 8186

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 gg 1022

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 8187

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<210> 8188

<211> 908

<212> DNA

<213> Aspergillus nidulans

<400> 8188

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<212> DNA  
<213> Aspergillus nidulans

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gtaattacta gtttatgctg gtgtggggaa gcgacagtgc aggttacccc gcgtcctttc 720  
cccacggggt tcgggatagg gttatcccat gagtcttgca acccggggca tacagggtct 780  
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<212> DNA  
<213> Aspergillus nidulans

<400> 8190

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tcatgcccc a gttggcagag aacttggggg gcttgcaact gcctatcttc ttcaagggca 180

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ccaataaact ctccaaatag atcattcagc agctgcggat cgcctcctcc atgaccacca 600

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<210> 8191

<211> 914

<212> DNA

<213> Aspergillus nidulans

<400> 8191

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aattgcatga taggcgtgat ttgaggcctg gctcccacga ctggcgtgcg tccgaacggc 360

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gactaagaat agtgaaatct gcttggtgcg gtaccagctg ccctttacta gttatatcaa 840  
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<210> 8192  
<211> 764  
<212> DNA  
<213> Aspergillus nidulans

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<210> 8193  
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<212> DNA  
<213> Aspergillus nidulans

<400> 8193

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gccggggatt ttcttcatcc accctgattg gactatgtag ccctgcaggc gtgagactgt 900  
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gctcgcagta tacaggc 977

<210> 8194

<211> 1002

<212> DNA

<213> *Aspergillus nidulans*

<400> 8194

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tgaacatctg attttgaagg ccttggatag aggtcggggc gttgaagaac gaaaacccaa 180  
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actcgctcag ggcgcttgga tcagacgagt ccgcaggttt ggctgacaat gtggctctca 360  
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cgtccgcata ggcttccatt cctaggagct taataacttc ttcaacataa tcaagctttt 900  
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<210> 8195  
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<212> DNA  
<213> Aspergillus nidulans

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cgtaaccag gccgaaccg atctgaacac gactgctagc cgtgcggcgc gcgtaggtca 180  
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<210> 8196  
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<212> DNA  
<213> Aspergillus nidulans

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<210> 8197  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 8197

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acaccagagg atgaccaga ccacccaaag tacctgaata accttgaaa tctgcttggc 300  
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<210> 8198

<211> 745

<212> DNA

<213> *Aspergillus nidulans*

<400> 8198

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catccacaca acataccatc cggaagccta aagcgcccag cctgttgct ctcacgagtc 180  
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<210> 8199  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 8199

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 <212> DNA  
 <213> *Aspergillus nidulans*

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<211> 1854  
<212> DNA  
<213> Aspergillus nidulans  
<223> unsure at all n locations  
<400> 8201

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<212> DNA  
<213> Aspergillus nidulans  
<223> unsure at all n locations  
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<210> 8203

<211> 1375

<212> DNA

<213> *Aspergillus nidulans*

<400> 8203

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aagcttatcg ccgactcgat cgctctcttt cggaagcgc gtttcaagca atctctgct 240

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14037

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<212> DNA  
<213> Aspergillus nidulans

<223> unsure at all n locations  
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<211> 212  
<212> DNA  
<213> Aspergillus nidulans

<223> unsure at all n locations  
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ccgagctgca ggtggcgcca cagacagata cc 212

<210> 8206  
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<212> DNA  
<213> Aspergillus nidulans

<400> 8206

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 <213> *Aspergillus nidulans*

<400> 8207

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<210> 8208

<211> 111  
 <212> DNA  
 <213> Aspergillus nidulans

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<210> 8209  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 8209

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 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 8211

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<210> 8213

<211> 713

<212> DNA

<213> Aspergillus nidulans

<400> 8213

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<211> 1003  
<212> DNA  
<213> Aspergillus nidulans

<400> 8214

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 <213> Aspergillus nidulans

<400> 8215

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<400> 8216

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<400> 8217

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 <213> Aspergillus nidulans  
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 ggtgggat 188

<210> 8220

<211> 1076  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 8220

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 8221

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ccgtcatacc gaggacgcga atgctaataag aacacaccaa gttcgtacaa aatcccagtc 180  
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 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
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 <211> 1316  
 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 8223

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<210> 8224  
<211> 1225  
<212> DNA  
<213> Aspergillus nidulans

<400> 8224

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cccgatcttg gtagtccgtc acataatctt acagaagttg gccttggcgc gcaacagaag 480

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<211> 136  
<212> DNA  
<213> Aspergillus nidulans  
<223> unsure at all n locations.  
<400> 8225

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agagcgatca cttccc 136

<210> 8226  
<211> 1256  
<212> DNA  
<213> Aspergillus nidulans  
<400> 8226

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 <213> *Aspergillus nidulans*  
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1887

<210> 8228  
<211> 802  
<212> DNA  
<213> Aspergillus nidulans

<400> 8228

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<213> Aspergillus nidulans

<400> 8229

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<213> Aspergillus nidulans

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<400> 8231

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 <213> Aspergillus nidulans

<400> 8232

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 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 8235

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 gctatgggga gcggaggacg ncacaaagga 150

<210> 8236  
 <211> 703  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 8236

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cggctttgcg tacaacacagc ggtgggtcca tagtaggaga aacgctcgca cagctcgacg 180  
aaagccacag agaaagtgat ccagttcatt ggcccagcaa cgcggcggac ggtttgcatt 240  
tctctctgcg tagggtggag cttgttcaga tctggtcct cctcgtgcc ggttggatat 300  
tcttggtcg cggggatttc ctcgatactg gactccctgg cgatggcatt cttctccaac 360  
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gagattgcat agaagacgct ccacgaagag aggaggagag aaagatcgag gttggcgggg 540  
acgcaatgca gcttttaagg taggagccgg ggctggagta tgtactagtg tgccacagcg 600  
agaattctaa cacaaccgct tcgggacgaa tcacaaccag aggaattctg ttatcgcggtg 660  
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<210> 8237

<211> 178

<212> DNA

<213> *Aspergillus nidulans*

<400> 8237

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cgccccaatt atactatgac gcaaccttcg gcaacacaca ggccggggccc catccctcat 120  
gagcccatc cagatctcca aaagcggaca cagcaccgcg gcacgggtct gctaaccg 178

<210> 8238

<211> 1246

<212> DNA

<213> *Aspergillus nidulans*

<400> 8238

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ctgttcagcg caaaaaatca tcggcgtttt cacatgcttt tccgggtcaa atcatataaa 180

tctcctcgta ggggagccat aagacgtgaa gagtataatg tacgcttgatg atcctagctc 240  
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cgacaaagag atagccgcaa tgtgtcatcc agtcgcggcc atcactacag ttttgttctc 360  
gagataagta tcccagcctt ttgcacttcg aacggcatcc tcttcccagc tcgatatgac 420  
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ttatcttgtc atatgtctca acagaggcgc ttaccacagg tttaactcta cgtcgggggtg 660  
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<210> 8239  
<211> 797  
<212> DNA  
<213> Aspergillus nidulans  
<400> 8239

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cactaccgga gcgcatgatg tacaatgcgc gtggcgactg atgcgcatac tgagcatgaa 180  
tactctgttg gaacgaacgg ccggctgcgc aatcccagaa cgtgaatcac gccgtgcacc 240  
tgcgaaatag acagatctcg cctagatgct actgagggcg acttttcgcgc gtccgtcttg 300

ctgtggacag taaatgtgcg ctggggagga aacatggagg gtagcgagat gagccgactc 360  
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ctaagtcctt cgtcctt 797

<210> 8240  
<211> 1191  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 8240

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aaatagtaaa ccggctgcaa aagagcttat catttgatga atgcgctgga gtgcgcacct 180  
aggactccat cgattaccta tccaagtaag caatgctgaa gaatacgaag tagacttgag 240  
aaagcacaga agtacagaag tactatctac attccacaag gatccccaag acttcaatgt 300  
ctttacgtgg ttatcaattc ttgtgcgacg ccacaatata tcaaacatag cgagtgcgct 360  
gctgtcctgg taagggaatc atcgtagtct ctccgggca actgagtatt ttttttttcc 420  
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gaatcaacca tatcagttgt cattggcttg gaaatcggtg ggctgtatgt gcagaagtat 540  
attctaccaa acatacactc tgtagcgact tgtaatgcct acgacggaga gcacccaatg 600  
cccctctgta tccctaattt atcattcaca ctgcaaagac cgtatttcta agagtcgggg 660  
tacttttgaa ttaagccttc cagcccacct acaggaccat cactttctcc ttccggcatg 720  
ggggtgttcg tcaacggagt gtttggcaag agccccagta cctttagaac cctgtgaatg 780  
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 cagcccaata catttagggc gcccatctcc cagagccata tttatttatc taatttacgg 1140  
 agtactctgt accatgtaca tacattccgt aagcctcaaa gacttagtgt t 1191

<210> 8241  
 <211> 1156  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 8241

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 tcgagattgc acggcattta ccaggcgatc gggtagaaag ttcttgcgtg agagttcctg 180  
 aatatctagt ttgatcaaaa cgagattagc atcgtcacca ccgtggatgg gctctggaat 240  
 accttggctg ttgatggatg aagagagtgg gtggtgagga agccgaggaa caggcggact 300  
 gaaaatgtgc ggcaccgaga atgttaccaa accatatata atatcagaaa gtaaaattca 360  
 ttgggaatca taacacctaa atcattcaaa tatctaaaac taagccaccg cattcacctt 420  
 cacttcttcc cgctcaacat gctctatgtc cagcttcttg agtcatcca cgggcgcagc 480  
 aacctcgta ggataaaact caatcttacc gccagcctgg ataacgtttg tgcggtcgag 540  
 cgtgttcctg ccacgcgtat acgggtcgat cttccagtag ttgagacgca gctgttcgat 600  
 gagatcatcg cgctgctct gaatattctt tatttcttct ttgttatgct ctccaccggc 660  
 cttgatccat tgcgaggttt cgcgagcag atcctcgccg atcttggcgc gctccgcctg 720  
 cagagcgtct ctggcagctg tgtcctccat caaggcgttt tcaccctcga cgggctcggc 780  
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 catccagccc ttgatgatct tccagatgcc tgctagagtc agagatgtaa tggcacggac 960  
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ggcactcggg gtagttgtct tggaaacact cgatgatgaa tttgacagcc cggccccct 1080  
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agaacgcggt cgcatt 1156

<210> 8242  
<211> 903  
<212> DNA  
<213> Aspergillus nidulans  
<223> unsure at all n locations  
<400> 8242

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tgctttgaac agttatttgc aggttgtagg gtacagtgtc taccccacca gccattcac 180  
gagatctcgc tactagtgc ctctagttag aggaggtgcg gaaccaaaca atctttcctt 240  
ctccaaagac gatatactgc tgtgcaaaga taggccttgg aatcggtttc aaagctagta 300  
acccgacctg gaaagccgac gcgctcaatc tgggccagc aacggcacia aaagaacaaa 360  
acagaaaccc taacgtcaag ctgggaacag gcaatactca aagaccctca catgttcagc 420  
acaagggata tcgtcttctc cagcgctcgtt ccggcatttg cgaggaacac gagctgactg 480  
caaggaacag gaaaaagcag gagtataccg ggtgtggttg cataggggtgc atgagcattc 540  
atcacgcctt caacttcgct ctaaagaggc gctactctc cgggggaatc cgacactgga 600  
cgatgttaac gagacgcgat ggagaaggca gcgtgcgaga ggcctttctt gccggctgat 660  
tgctggcaag tttcagccac gcagcacgtt tgtggctgat tataagggca ttggatccca 720  
cccttagacg tctaattcgc cgtcgtaagc ttgtatcaat aaacttgatg ataatgttgt 780  
tgcgattgcn ttgtgtaacc taccatctgg cccaacattc ttcttgatgc ctgtgagggg 840  
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<210> 8243  
<211> 784  
<212> DNA  
<213> Aspergillus nidulans

<400> 8243

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tcaagagagc aggacagtct ggcagcacia taagtttcag atgcatttca aacctgacag 180

gatgagaatt ttcctaata actagcctgg aggagcgctc gcctcgcggc ctgagcttat 240

tagcgctctg gaggagctcg ccgttactac gagcaggcca gcgtgctcta acggcggtgc 300

ccagtgaac tccgccattc ctctctgcc cactcaaagc tcctctcggc cgcgcggaat 360

cccagcaaga tttcaatgcy gacaactacc cttgcgtaac gaatgtaccc ttgcagtga 420

ccacacaaca ccatgacagg gagggccaca tcagaacaga atgccgcaac agacatgtgt 480

cagtggagcy aaattgccc gtgatttggc aggttgaggt ttgccagatg aatggaggac 540

cttggcgag cygcgcagtta gggctcctct cagaaatgct gcgcggcaag cctcgatag 600

aagcgtcagg gctggagcta cggacccttt cacgttgcat tggcatctta cgacgaagag 660

acggcctccc gcctcgctct ccaaagagt tgatctgatg ttgctcatg ggtgcgtatt 720

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<210> 8244

<211> 931

<212> DNA

<213> Aspergillus nidulans

<400> 8244

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cgcggttggt gtgaaagcct gtttatatgt gaatatatta ggtggttagc atgctgtttt 180

tactgatgag tcctaaaatt tgagggatat tagagaatgt aggaacgcg cttgcctacg 240

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gttgttgga cttttttttg gttcattcat gtgtgtagat attttggatg tttatagttt 480



ctgttttttt tgttatgact tttattctgt ctttcttgtc attattgtat ttgattttg 540  
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 gtatttatta ttattttatt atttctcacc tattttaata tttttttgtt tgatttttta 840  
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<210> 8245  
 <211> 1798  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <223> unsure at all n locations  
 <400> 8245

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 caggactgtc ggcattgaat aagaggtaac atttatgcct ccagaatgtg tagtttaacc 840  
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<210> 8246  
 <211> 1132  
 <212> DNA  
 <213> Aspergillus nidulans

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 tgctcgggga cgttcatcaa gggttgagga tgcgatgcat gattcagtca ttcgtcatgc 360  
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cggtgattat ggggagggga ttgacctttt ccgcaaattg gcaagctatt ttgaaggcga 540  
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 aattgccctt tccgacaggc cgaagacatc tcgtagccgt gaaacaatct tgtcgcagat 1080  
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<210> 8247  
 <211> 789  
 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 8247

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 aaggagcctg agcatctcta catggacctg gtcacctgt agtacctcaa gggctgggtg 240  
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 tatttatacc agacgaggcg tcagcctcag agataggaca cttaggacgc caagatcggc 360  
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<210> 8248  
<211> 1174  
<212> DNA  
<213> Aspergillus nidulans  
  
<400> 8248

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aggccctaaa aaaactaagc gggagagaaa caaaaccatc gggggagcga aaaaatatcc 180  
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tctgccaatc gcaccaatc tttttttctt ggaatggagt gttatagccc ccgccgatcc 420  
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tactcgttag attggtacgg gggaatgagc ccagatgccg aagaacttgg aaagtctttg 660  
tgcagcgctc aacagagatg ttgtatgtat tgcgttatct gtctttctcc tttggacgac 720  
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<400> 8249

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 <213> *Aspergillus nidulans*

<400> 8251

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<210> 8252

<211> 120

<212> DNA

<213> Aspergillus nidulans

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<210> 8253

<211> 1534

<212> DNA

<213> Aspergillus nidulans

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 <223> unsure at all n locations  
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 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 8255

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 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 8256

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 8257

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 8258

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<400> 8259

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 <213> Aspergillus nidulans  
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<210> 8261  
 <211> 1299  
 <212> DNA  
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<212> DNA  
<213> Aspergillus nidulans

<400> 8262

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<210> 8263  
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 <213> *Aspergillus nidulans*

<400> 8263

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<210> 8264  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 8264

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<210> 8265  
 <211> 1572  
 <212> DNA

<213> Aspergillus nidulans

<400> 8265

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 <211> 294  
 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 8266

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 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 8267

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<210> 8268  
 <211> 1125  
 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 8268

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 <211> 285  
 <212> DNA  
 <213> Aspergillus nidulans

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 cctgtcgatg accaagggtcc ataagaatcc ctcagggtt tgacgatagc tggatatcgg 240  
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<210> 8270  
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 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
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atagagggta aatgggggcg ggaaa 145

<210> 8271  
<211> 676  
<212> DNA  
<213> Aspergillus nidulans

<400> 8271

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tggcagcgat tgagca 676

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<212> DNA  
<213> Aspergillus nidulans

<400> 8272

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<210> 8273  
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<212> DNA  
 <213> Aspergillus nidulans

<400> 8273

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 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
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<400> 8275

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<211> 121

<212> DNA

<213> Aspergillus nidulans

<223> unsure at all n locations

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<210> 8277

<211> 1692

<212> DNA

<213> Aspergillus nidulans

<400> 8277

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cgcgcacaga ccactgcgcg gcaaacaaaa acgagcaccg aaaattcctc ccaatttact 360

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accctgtagc gtagtgtacc gttttgttaa actccgcctt tggctggggt tatattccgg 660

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14089



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catagccga tgcagtatgg ctagtcaaga ctgacgcca aaggcatgct tcgttacaga 720  
gagagcgatg ttcgatctac agtgcttgcg accgagtcgc agctgagaga atcaccagcc 780  
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caacagagac tgccagtccc gagacgccag tcacgtttaa cgtcatggct accacgacag 900  
ccggcgaccg gccgtatccg gctgcagaca gtctgagga tgcaaaggat agcattcccc 960  
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gccggtacgt attctgtct 1099

<210> 8279  
<211> 1075  
<212> DNA  
<213> Aspergillus nidulans  
<400> 8279

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gagaaccaat ctttccaaaa agcaaaacc ccaatattag ccagccccgc gtgctacagc 180  
gtacgtttct aaaataaaag gtcgagactt ggaggggctt tgtcccccta ccggagggtc 240  
gttgttacca gttcggagga aaatgacttg cggcatggcc gctctgggac ataaacaggg 300  
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attttgacc ggggtgtcaa ccgggggttc ctaaccttcc caaatggcaa ccgccgacat 420  
gttgaggtgc cgcttggtg tattgaacgt tgcttcagt agcttctccc taaaagaacc 480  
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aatttccaag gcgatgtacc gcacattctt cagccaccgg gaagatcccc ggatacaatc 660  
ctcgggtctc tccagcaaag tcccgatagc agaccgaaat gtggcatagg tctgtgttg 720  
agctggaaga taccgtctct gagaatgat atatgactcg aagatatacc agcagatctc 780

gagattgatg gtattctgca tccaacctcg cgctgccac aagcggctctg catcaaagtc 840  
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 ctcacgctcc cgaaggtcta ggtaccagtg tcgagatgat tccactggac atcgcccttt 1020  
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<210> 8280  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 8280

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 tccggatacg gggtagttc aaggtatggc ggcgctcgcg gcgacactcc ttgcttacta 180  
 cgacgaagag catacgtttg ttatgcttgt ccgactgtgg caactacggg ggctcgagaa 240  
 actctatcgt tccgggtttg cgggcctcat ggaggctctg ggcgacttcg aacgagaatg 300  
 gctggatggt ggagaagttg ccgcgaaatt ggtaagttga ccataagac agaaaagtgc 360  
 accttgagct aaaggtattg cctcgcaata gaatgaagtt ggaataccgc ctacagcata 420  
 cggtaaccgg tggattttga cactgttcaa ttactcgata cctttcccag cccagcttcg 480  
 agtttgggat gtctttatgc tccttggcga tgccgaggac gatcccaagt cgggcaaacc 540  
 ggaaacaagc ggtttcgggc aggggcctcg acgttcttca cgcgaactcg ggagctctta 600  
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<210> 8281  
 <211> 154  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 8281

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 cgaacatcat cgagagatga caactgatag tatntatgct tcgcaaggac attgccagca 120

nctggcgcca nggcagacgg cagcccagca tctg 154

<210> 8282  
<211> 101  
<212> DNA  
<213> Aspergillus nidulans

<400> 8282

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attgacatat aggaacgaga cacgcgacaa atgctttcat a 101

<210> 8283  
<211> 963  
<212> DNA  
<213> Aspergillus nidulans

<400> 8283

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gggccgctcg cacaagctac agcaaactcg cccccgccgc gaagggagct tccctttgcg 180

aagaaaacgg aaaaggatcc cgggcctggg catctttcct cgcgagcgtg gcaggattca 240

gttgaatccg gaggggagac agatgacgac gaactgtagc taacgcccct ttactataa 300

cctatgccta tgtgttaaac tggttctagt gcagatcaca ctccctgatg aaaataactta 360

ttcggtaatg taagactaac gtcttcgctt gggcctgcaa gttaagacgg ttggttaaga 420

tgattttcga gcaatcgtta tgttggtgaa gccaaagaag catggatagc agctgttcct 480

agctattcct acgcagctac attttcagga ctgtaggcat aaattttgcc attcctgagc 540

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actataggaa acgaggggaa acaataatac aattaaacag ggaccaacaa cagtgtttag 660

gtgttacaaac aacaacgcct agatgaagaa tgggaaaaaa acaaactaca ggtccagtag 720

gctttttaac catacatgtg ctgcggagac acttcaccac ctgtagacat gtagttcaca 780

tcagggtttc cagagacctt agctgccgaa gcgcgagcca ttgtcggcga actgcttaat 840

ggttaacatt aacttcaaag agtgaggagt ttttgatcat accttctgga gatcgaatct 900

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tga

963

<210> 8284  
<211> 629  
<212> DNA  
<213> Aspergillus nidulans

<400> 8284

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cgcgagaagt cgtctgcttg attcgtgctt gcttctgctt gcatttttagc aatttcttct 180  
cttttccttc gagctaactc tctcgcttca tccgcagaca tcgttccagt tttcttcttg 240  
ctagaagaca gtcactttc cgggatggag accatcttgc taacatatgc aacgacaggc 300  
tcctttgggc cagtcttgaa ctgaatcatg gcaccttca cagcggcatc cacgtacttt 360  
gaccctggcg actcctctat cattggcggt aatcgggatg attgagctgt tcgcggacta 420  
ggaagggtact caatgactga caccaaaagt gctgtggaga gcggtagcca ctgcgagaac 480  
aaagtgggtca tgatgttctt tggatcgcgg gatcgtaaga tgtacgggtg aatgttaata 540  
cctagggact tcgtgatctt ctccagcaat gcagggtcac tatagtatgg taagtatatt 600  
gcaaaagaaa cagtgtgctt gatcatacc 629

<210> 8285  
<211> 804  
<212> DNA  
<213> Aspergillus nidulans

<400> 8285

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gaaggctccg tagccaagcc agatcgcca ctttcaagta cgggtgtctt gtcaaagcct 180  
cctcctgtgt gcgaaccttc atctgcgggc tatgcgccct agaaagtcag cccgatgtgc 240  
aactattcgt accaactc accagtcgct ccccaaagc acctgcctag ggttcgcac 300  
gaagaacgcg cggacgagtg gcctcaaate ttcatactg ggcgccctgag tactgaccg 360  
gtaaggcgca ctgattttga catagaagta tccagtgcgc atgagctcaa tgatctctg 420

gaaccccggc tgcagcgaaa catccacctc ttgaccgtca ccgccaccct gacatggaag 480  
catactactc cccttaagca gggcaaaatg atccgtcact agtcgaatcc cagtaggaac 540  
catttcagcc tcaatgaacg gcttcaactc cgtccacaac tccgggcgca catgggtgaa 600  
cgccatactc caccttggac aatggctcctt gatcgccctt acatgagccc gcagcgcac 660  
cttttgaagg ttcacgtcat gcacgcctt ttactggtac agattcactc gaatgccgca 720  
gattccagcg cgctgcattt cgtgcaactc atctgcgggtt actgtttctg ggtcgatcac 780  
gccgattgct tttgtattgc ttgt 804

<210> 8286  
<211> 1100  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 8286  
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tccaaccgca tgacctggtt ctagggaaaa tggaaagggg gtaacaatac acaaggggag 180  
gaaacttcca ggacaagggtg aatggccaac cgcaagtcaa aggattaagg tcaggtaggc 240  
tcattgagga aaaggccaac acttgtttca cctctctccc tcccccaac atgattgaac 300  
cgctgccgc cctataatca atacctgctt tggagtatac aatagtaaaa accacaccac 360  
aacctcatgt aagtactaat gtccattca gttatgcgat cacgggatct ggaggctata 420  
actagggtggc agaccgctca ctgtgcttga ccatatgtgc attgtggatc attcagccgt 480  
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tagctactca taccgtaca acaccaccaa gattgctctc tctgaagcat ggataccgc 660  
gactacgagt ttccagatac ttaaagggtt cgactgtgca atcaccaatg tacaatggat 720  
acatgaccag gtacaggata ttttcgctga tattgtccgc cgtattttcc ttccattcgg 780  
aagtctttgt aggaaggacg aaacaagaac ttgatatat ggctagaaag atgtttaatg 840  
atttgagaa acgcccctcc atacataaat gtcatatatg ctcatcttt gtggagtcag 900  
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<210> 8287  
<211> 1400  
<212> DNA  
<213> *Aspergillus nidulans*  
  
<400> 8287

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aggcacacgc ggaacttttag catcaggaaa gaggtgagca tgacgaggag cagggatcgg 180  
agcttggtga ggagtgtccg aagaatgacc gggatcttgc tcaaaatgtg gtgcaattgg 240  
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gccattgaag cctttgacaa atggattatt gtaagtcgtc acgctgtgcg cattgaatag 480  
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gaggccgttg ccgtaaatgt gcctggctag ggacgtgacg gccttgccct gaatcatggc 1200

gcctggaatg gagacttgcc aaggtcttat tgtccagcca aggaagttac cagtatacca 1260  
gcaagtgaac aacatggaag tattattgct attcagtact gtcaatggag aatttgatac 1320  
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aattgacttt accccgcaaa 1400

<210> 8288  
<211> 761  
<212> DNA  
<213> Aspergillus nidulans

<400> 8288

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ttcgcggtga gaaaatcaac tcgtccgagt gaagagtata tcagggcgaa ggtcgcccc 180  
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gagaacctcc gggagagctg gaagggccgg acaactggtc gtcgctgttt attggaagga 600  
cttccatctc ctttgttgtt ctcagggcag acttgaggac ctcatgagac tccgtgctag 660  
gcaagacaga aatatagtcg tacttccgtt tcttcggggg gacaccagtg gcgacatact 720  
cctccagaga acgattttga aaactggaag acaagtccgt a 761

<210> 8289  
<211> 735  
<212> DNA  
<213> Aspergillus nidulans

<223> unsure at all n locations  
<400> 8289

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acgctctccc gaataccctc cctaattctt ctccaggagt gcaaaatccc ccaactcattt 180  
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 ccgggtctca gaacatgcag tcccgcacac cctgtgactg agtcaacggt tccccacgca 300  
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 tcgtgggggt cgagaaggac gtaatcaaaa cgggaccaga aggtttgcat tgcggaaagg 420  
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 agatttccta ggtgcacaga gacagtaatt ggttcattgt gtccgcgcgc gcttttcggc 600  
 gtgcgctgag gacgtgattg tggagggcgt tgaggcgtgt gcgccggggt agtttgctga 660  
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 acctggcggc cctc 735

<210> 8290  
 <211> 544  
 <212> DNA  
 <213> *Aspergillus nidulans*

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 agatatcccc aatgagcgat tcgcaagggt ccaaaggtag tgggtggccc cgtcaaattgc 180  
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 aggccgtcca agttttcctc cagctgagat actggacatg gctcttgact tatactttcg 480  
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 tctc 544

<210> 8291  
 <211> 414

<212> DNA  
 <213> Aspergillus nidulans

<400> 8291

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 gcggaacgag tgetcgacca gacctagaac ccgtatctca tagtcctctc gtgcgtccat 180  
 ttctacgtaa gagccgcgag tatctgcgaa tgactgggat atagctcagt tatcgatgtc 240  
 gtcaccttta taccagagac tgcggcatag acaggaagga tactgagtgg catgtctcga 300  
 gcttctatga cttcgtcatc gaaatacatc caagcacgaa taaggccgtt catcatgtga 360  
 gttcctaagg cctacaggtg ctcaatagca agatctgtgc gaaagtttgt cgat 414

<210> 8292  
 <211> 109  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 8292

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<210> 8293  
 <211> 577  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 8293

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 cccgtcaacc ccagcccagg atgacaaagc ggtacaatat ccggcgtctt cttcgcggcg 180  
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 ctgaggagtt cccagggacg tccggttgag aagcggacgt gacaggtggc tggttgcgagg 300  
 cgttttgaaa tgggcttttc atcaatcagc gtcatatgga cgttttgcga gcgattgaga 360  
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gttcctcgca cgaagttgtg gtacgttcgc gatggtaaag tcggacttgg gtagccattg 480  
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 acgacatgga ggcgaagtac cttatatattc tctgggc 577

<210> 8294  
 <211> 512  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 8294

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 aacgaaacgc ttaaatacgc tcaagggtcg gttgctcagc tgcccacca cggttgcgaa 300  
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<210> 8295  
 <211> 737  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 8295

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 aatgagtga agtaaccaag ccactttcca aggcaacgac ccagctgctc atgctcctga 180  
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ggttattacg ggctttgtct tttacttcat atttcggcaa ctcattgctgc acttatcgca 720  
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<210> 8296  
<211> 1167  
<212> DNA  
<213> Aspergillus nidulans  
<400> 8296

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ccaagttcca ttaatccctt gccccaggct agatcacgac ggaacttctc ctcccttttg 240  
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<210> 8297  
<211> 605  
<212> DNA  
<213> Aspergillus nidulans

<400> 8297

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aagcctacca tcgcggtcgc tcatccattc cccaaaggat ttgagcggat tcatattgtc 180  
agcaacgagg aggaggccga ggcgggtcaag aatgggttccc tcaaatacca agataagggc 240  
acgaaaacag aaacaaccga cgagatcaaa gatgcgggtc accaggctgc agtcaaagt 300  
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agtgccgcat tatcttaccg aactcactga ctttccacag gagcgtcccg gtcattggat 480  
atctcttcag atgcacaatt cttcaaattc atgtgtacgt catggcctgg gtatcagcca 540  
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cgggg 605

<210> 8298  
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<212> DNA  
<213> Aspergillus nidulans

<400> 8298

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acgggacata catcggaag cacaatgccc attataagca agacctattc ttgggcattc 180  
cctacgcca acagcccgtc ggcaatctgc gctttgccat tccacactct ctgaatgaga 240  
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gatagcttcc tctactataa tgggccagga ccacatcggt aaatatactg acagtattag 360  
accgactcaa tctggtaccc gcaatcgga gcatgtctga ccttgaatgt cattcgcgac 420  
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caattaggca aaccctttat cgcagtgaca attactacc gcctctcaac ctggggattc 660  
ctcaactcag ccgagatcag ggaagccggc gccacgaatc tgggtctgcg cgaccaacgt 720  
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tgtgtactg ccagtgatac gctgcagtgt ctccggaag tccccttga gtccttgaac 1020  
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<210> 8299  
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<212> DNA  
<213> Aspergillus nidulans  
<400> 8299

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cggcaatgat ctgtaagtag tttagcttta tcaacaatca atcactat aactctcttc 180  
ggatcgacct tgtgtagatt taaacttatt ctttgatcct cgtttatccg aagcttgcca 240  
aatcaggcaa ggataaaaag cccatcgctc gcttcttata acatgcatat gaatttcaa 300  
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cagcggcggc atcactgaga acatgtgcaa gcgcggaggg ctcattgct caagaaaagc 420  
ttgtacaaag cctagctgct cctctgaaat ctgcagccaa acgtatttat ggttaatact 480  
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tcttaggagt tcaggtaagc tcggccttgg tctttctctc tgtcattgcc tgttttccac 600  
 ccgacctcct gcgtcgtctt taagatgcat cagatgggct ttgagttctc ggagctctgg 660  
 ggaatagagt tatagcttga ctttgcgttg cctatgcctc gtgactcaaa ggtatattag 720  
 aatatcatat cactcttata taatacatga tgcaaagtag atacgaggac gagtgt 776

<210> 8300  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 8300

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 ctttcggtag ccggtggagg tgggtgggct agtagtgac gtcctcagcc aacctcaacc 180  
 tcgtttactc aaacaaggac aacatctacc cggccaacat ctacgaatac tagaacggga 240  
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 accacagcaa ccggaacccc ctgtgccgga aacaccccg gacacccgag ggaatggtgc 360  
 gactattcca tcgatacaaa ctaccacgac atcactccag acacaggagt agtgcgagag 420  
 tattggctgg agctagacga gatcacgta atctcccgac gggatctctc ggccggcagt 480  
 cgccgtgaac gggacgatcc ctgggtccaac gattttcgcg gactggggcg acgaagtccg 540  
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<210> 8301  
 <211> 491  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 8301

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 tgcaagcgat gatggtctgc gaagcgcgaa ggttcagcac tcgtgaaacg tagctccaag 180  
 aaaaggcacc aaaaactcct gagatcattg taatcacatt gatcatcccc aacgctgcgg 240

gctccatatt caactgggtt ttagcgaaga gaacggctgt accactgacg gtggcgattc 300  
catcgctcaa caggaaccag gatgcaagga ataacagaat atccttcaaa tgtcgcgtcc 360  
gcatcggcgt tcggccgagc gacttccaag cgtacgccat gtagccgagc catgactgat 420  
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<210> 8302  
<211> 205  
<212> DNA  
<213> Aspergillus nidulans

<400> 8302

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ggagtgaat aagcgttggc acggaggaaa ctatatgtga tgatctgcgg gataaagtgg 180  
agcagcaggg gtgggtagaa ttgcc 205

<210> 8303  
<211> 580  
<212> DNA  
<213> Aspergillus nidulans

<400> 8303

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gatcttcctt cggccgtgat cgtgatctta gtcgcagcgg aatgccctct tccgcggacg 180  
cccctgcagc tgtttgggct tcagcagggg ctgtgatggc aagtcgccgc agggcattcc 240  
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gaaggggttt ggtttcgggt tcggtatctt gtgtctggtc ggatcgagga tgcagtgttg 480  
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<210> 8304  
 <211> 760  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 8304

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caaatccggt aacggattcc agaagattga atagagcttc ccggtgagta gatgactgac  180
ggattgacga gtatctcttt tatatgcctt tagtttccgc tatttgcttc catagaccaa  240
cccacggccc aagcctgaac cgaaaacgtc agagcgtgtg accagcacct gcgcaaaactt  300
gaagtcaacc atcactgaca taggtctccc gcaacggttc cagtcagagt ccagatttac  360
ccttgataa cccgatttac cgagcatatt gggcattgaa gatggctact gaccaatcc  420
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ggggttgagc atatcccgca cgtttagacc gttgcgaggg gctgagcccg gggttgacgt  540
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agaagaatga cggttatcgt acgaataagc tccctgaggg gaagggcgac ggtcgtgcgg  660
gggtggtgga aagtaggggg cagcgcgtgg ttgatagga gcgagcgtca ctggcgtcac  720
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<210> 8305  
 <211> 1060  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 8305

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tgctgctgag ttgtttcggg gactcgattc ttcgaaaggg tttggtgata gaggagacgg  180
agcgaaggaa catccaccga cttaaatgaa aagtagaggg agctgagaga gttgctggat  240
gaattcgcaa tttggggctg aagcagaaaa tctcagcggg gcagcccctc ttctggctca  300
cttagtetcc gccccttgct cccccacgtg ccgttcctca ggcaccaact ctatcctcgc  360

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taccatgctg tgactgaatg ggtaaaaacg ttacttctgg tcataggaca cataacttate 540  
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gcctccattc atagtgatgc ggccccttac tgacagggtcc tgggtcctct cccggtacgc 660  
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<210> 8306  
<211> 859  
<212> DNA  
<213> Aspergillus nidulans  
<400> 8306

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cgccgtaact cagttttcat ctgtacgatg agttcaaatt ccatacaaca catctcaacc 180  
tggttaactg atgatagttg cggtattggc tggctctccg gaaatcgat gatggtgaag 240  
cagtcgcagc agagacctgc cgattgaact cgaccagcag cagaggaaag gcgttcaatg 300  
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ttgaaagaga attgatgagc acaatctcta aggtgcaacc catgttgtgg ctgagcctcc 600  
tcgtaagaat ttggctcaaa attaatccag ggagagtctt tggcgttttc aatcagaagc 660

tctgcaatat cgtcaacaga gtaccctagt ttgtaaagtt cctctatcca ggcgtattcg 720  
 tccattaccg ccagatcaga tcccttccctt aacaaccttc ggatgttgtc aatgttttgc 780  
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<210> 8307  
 <211> 1312  
 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 8307

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 aaattgccgt aagcagtgtt gagaatgtta tagcaggatt cgtaaggatt ttgcgtgagg 1140

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<210> 8308  
 <211> 1166  
 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 8308

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 ggaagcgaa gcagaaggtt ggcctcggct tctatgctct cgtccccaat atccattgac 180  
 cgatgtgaat agtgcgaccg gctgattcca gcctgcacgg cctgtagga ggctggcacc 240  
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<210> 8309  
 <211> 99  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 8309

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<210> 8310  
 <211> 224  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 8310

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 cggagttcgc gccgaaggat tcatcgacga ttcattctta accggcggtta tctattactg 180  
 gcagcgtgaa cgcgagcgta aagatgttac cgacggtgac aaat 224

<210> 8311  
 <211> 327  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 8311

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<210> 8312  
 <211> 692  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 8312

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 aagacgccgc accctgggca gcctcatagg cagcacgggc acgcttaacg ttctcattct 420  
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 gaggaggggg aggcgcattc tctttatctt ccttcttctg ctccgacttg tctcattcct 600  
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<210> 8313

<211> 867

<212> DNA

<213> Aspergillus nidulans

<400> 8313

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<210> 8315  
<211> 573  
<212> DNA  
<213> Aspergillus nidulans  
<400> 8315

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<400> 8316

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 <213> Aspergillus nidulans

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<211> 851

<212> DNA

<213> Aspergillus nidulans

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 tattctcctg atagctgtaa acaggtttca gattctgcaa gaatcgactc cgagtagagc 840  
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 <400> 8330

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 gttgtgcgac tcgaaggatt aggacacaga gccgtctata cttcaagtag tatcgacagg 540  
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attaatgtcc catccagccc tgcatagg 148

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<212> DNA  
<213> Aspergillus nidulans.

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<212> DNA  
<213> Aspergillus nidulans

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caatctttgt gagcagctgg cccaatttca ggttggcgat tgcttcatcg gaggcaacgg 240  
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tacgcagtta tccccgtcat gatccggggt gttctgattt cctctactgg ccaagctcca 360  
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<400> 8336

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aatgaacttg ttaaacaacc tccagatctg atgaatatcc gaaactgata tcaacttctc 180  
catgagtcgc gagcacgact gactgcaagc gatatttcaat tccttcccc tagcctcccg 240  
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catttcattc gccgctcccg tcgcatattg gtcacgtat tcctctcctt cgagaggtac 420  
gtagtctgcg ccggcggtga ctgcgttgct ctccgctcgt gagggcttta atcgcttaag 480  
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<210> 8337  
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<212> DNA  
<213> Aspergillus nidulans

<400> 8337

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ctaccaagcg gccgttgagt gtgcccgtaa ggccaacagc gtcaaggttt ggaagcaggt 360  
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<212> DNA  
<213> Aspergillus nidulans

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gtcaatccga accctcatac accgaacaat cacgaagcca cacctacaaa gttgaacagt 180  
tttagaaaaa ccagacaccg cgcgcgaaacg taaagatagc aaaaatcaaa aggaagagag 240  
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gacccatgga tgcgaagtgg aggtagaata gtggtgagga ataagatgtt gaatgaggca 420  
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gtggtctgtt ttcgacttcc acgtcaggca caggaacgga actttccctg tcgttgccga 540  
cgtcaagcaa ctccaaagct tcgtttgcgt gagtattctc catag 585

<210> 8339  
<211> 746  
<212> DNA  
<213> Aspergillus nidulans



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<212> DNA  
<213> Aspergillus nidulans

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tctcgtgggg agtacacgaa taacacttag gcatgaacac ttgcctccgt gcgctagagt 180  
gcgagtgtca taacgtgaga tgcattgcgc tgctgttgaa acagtaatgc acatggcgct 240  
ag 242

<210> 8342  
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<212> DNA  
<213> Aspergillus nidulans

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tctggttaatt gcgagaggaa gggtaggttag caggacaata aatggacgct tgtacggtaa 180  
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 <211> 890  
 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 8343

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 cgttatacag ctcttagatc acaatataaa tttaaatata aagggtcattt agtaaataca 240  
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<212> DNA  
<213> Aspergillus nidulans

<400> 8344

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<212> DNA  
<213> Aspergillus nidulans

<400> 8345

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ccggcggtgc agcatatttg gcaccgctgc ataa 154

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 8346

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atagagacta gtagtttttt atttttaaag aaatacttat ctgtaaagat taactatcctt 180
atttataata aaaagttact agctattatt taatatctag aataatagca aagtatatta 240
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 8347

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gactggaacg catcttcgac gacttctatc gtgttacaac ttcctttcgc cagccatcag 180
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cccacacgca gacagaagaa ttcggttctc ctcacaattg acctaaccaa ggccgttgcc 540
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<212> DNA  
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<400> 8349

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<210> 8350  
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<212> DNA  
<213> Aspergillus nidulans

<400> 8350

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<213> Aspergillus nidulans  
<223> unsure at all n locations  
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cggaacggg agcacaggna gancccncc ncaacagaac cnanagcagc cacanacgga 360  
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<213> Aspergillus nidulans  
<400> 8352

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agttttgtcg ccagtgtcgc ccagttcacg ccaaaaaccg tcgaaaccag cgatgaacgg 180  
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<210> 8353

<211> 965  
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 <213> Aspergillus nidulans

<400> 8353

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gtggctgaaa tcgcatgaat cttccgtatc ccactcgtcc acgatccagt cgccatcata  180
ttcagctgtc agctcacgct aaaatacggg ttttgtgtgt gccgagcttc ctatttgcca  240
atggaattct ggcaaagacg aagacgagaa ggcccttgag ttcgaacgcc tccgaaggag  300
tgccaggctg tttcagggtct tagccttcca gtccgtcagg tcccagctcg tttcgaaacc  360
cccgtcctga aggaacagca attagctgga cccgaggcta atcagaatta attaagattt  420
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<400> 8354

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atttgc 186

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<400> 8355

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 cgagcaataa tacaggaggc gaagcctcaa cgccaacgca gtcgacaata atcaaagaaa 180  
 ggcaggagaa attggtgggtt ggttggggag gcactgtctg ggtaattaat gtctaccctg 240  
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 gggtttcttt gctctcttgc accatctaaa cactaacttc ggcttagatt acgcacagac 360  
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 cctgagcttc gtatcatcga cattgaaagc aaagaggaag tcagtgtgta taccttggcg 540  
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 aaaacgaaca tgccaatatc tcaacgcggt gcgttggaag cccttggtac cggccttttg 660  
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<210> 8356  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 8356

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<210> 8357



<211> 517  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 8357

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tcaggatgtc tcgatgggta gatcaatgta cgggtcatgt ccgcatcggt cttgtcctta 180
ggcgggtcaa cgtaggggaat agctataaca tcgttatggt agcgaccaag gattctgagc 240
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caagctcggg gccgattccg tctggctctg gggccgactt atcttggggg atcagaaagc 480
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<210> 8358  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 8358

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cccacgaaaa tctaaacgcc tcaaaacgcc gagtaaaagt gaaagacttc gaatacagat 180
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caacgcttgc gctttctttg acattgcgga agttgactgt ctcatcttcg cggctttggg 480
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gatgagtttt tacgtccgag gcgccagctc gagccccaag gcgctttgtc tcgtctttga 600
tcagtagctt gcggatcaaa gatttgcaaa tgctgtaact tggtagtac tgcgactaac 660
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cagaattcgg tgataacata ctgggatatt tgttgtgcac ctccctgttc tggaaacggt 720  
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 gttccgtaga gcatctcgta gatcaggatg cccagagtcc accaatctac agcactggta 840  
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 ccgcttcgtg cgggaatcat cgtaggtgca ccccttggtc ctgactgttt cgagagatcg 1020  
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<210> 8359  
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 <212> DNA  
 <213> *Aspergillus nidulans*

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 tttctaggcc gcgacgacgg agtcgtcgtc atgtgtagtt tctgttgatg tctgagaagc 180  
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 tagactagtc gaggcggaag cgatcggatc gaagacatca tcgccacgat gaaatgagag 780  
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<210> 8360  
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 <212> DNA  
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 aatggccgac agagtcgatt ccagacccaa gttcaaatcc ttcgcgcctg gaatctcaga 180  
 aaaggaccag ccaggcaacg cgttcacctg gacagccgtc gacgagcgtg ccctccgtcc 240  
 gaaaatcgac ctgggggtct tccccgtcct catcatcctc ttcattccta acttcatcga 300  
 ccacaacaac ttcgccaatg cccgcttaag aggtcagaag aggacctccg ccttaccggc 360  
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 actgccgggg ttagggcttg gaggtggcta tttatcctcg agggggtaaa tattattgcc 780  
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977

<400>	8361
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a 121

<400> . 8362

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gaagcacggt acgttggcac tttccgctct tgcacagga agcgatgtga gaagacgtga 960  
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 agctctgccc ttttaagtgcc cgagaaattg aaccatcgt ctgtcgcaag atggcccgat 1080  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 8363

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<210> 8364  
 <211> 1267  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 8364

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 accgtgggaa gacgacctta atctggaaat tggagaactt tcatgttcaa ggtcgtgctc 180  
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 cctaagctgg ctatcagcag cttttctggt cgaaacttgg attacactta catatcacat 300  
 cttaggccca gccagtgata tttgacaatc gatttagtgc cacagtcatt gcaggttata 360  
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 tttcggaatg tagcctccat atttgttatg gtcttgctac atattggaca gcggttaagat 480  
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 tcttgaatat gtcttgtaaa gcggaaatgg ctgtagaagc cgaggatatg gatgggttgat 1200  
 cgaaggactg accgctccag cgatttggag tttgtgactc tcaggggcct gaaaagaagg 1260  
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 <212> DNA  
 <213> *Aspergillus nidulans*

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 gtacctgccg cattggcgct gaatgtagat ttgcaagatg tctcctgcct cgctcgggtct 180  
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 ccagatccgt cagctttcag tcaggcaaatt attacttttg accatagata actattgctt 540  
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 actccagagg ctttaggagg atcacctgca cttgagtagg gatggctctt aacaacatca 660  
 acagtacaac ttagctacga taacaccaat ccagccggc aggggaataag cgcctcaaac 720  
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ttaggccgtg atccaaggag tcggcggttcg tgcacgga atggacttgt gcagaaatat 900  
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 ggtggtgctg aagcttaaag atgtgttctg ctggggacaa gatgtgtgat tcgagatgtc 1020  
 gagaatgttc tgctgtgacc ggttgctgta tttcgataac atgactggga tgctacagtt 1080  
 ggttccagga attacaggta ttatacagat actgttgcca taggacaagc ttgtgtgctc 1140  
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 <212> DNA  
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<210> 8367  
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 <212> DNA  
 <213> *Aspergillus nidulans*

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 cttactggaa tgatttacct gctttgttcg catatttata ggcattccatc attcatatta 180  
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ctctccgcgc tcttgaggcg tcagggcagt gcggttggag ctgtatttag tgtagagact 540  
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 <211> 456  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 8368

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 gcggcgccgg agaaggtgtc gtttccgaca gtcaaattgc caaattgccc gcgttacttt 180  
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 aaaaagttat ctgggaaaaa accacctcct ccaagcaagt tgaagaacgg catatacccg 420  
 gacatggccg aaatcaagac cgcagcgaat ggggat 456

<210> 8369  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 8369

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 gaacaggaaa aggcagcata gatattagt aatttgatca ttatgtcatg gcctaagtac 180  
 tggactgacg gaatatgtat agaaggcacg atgcctgaaa atatgcctga gaataaccgt 240  
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<210> 8370  
<211> 1165  
<212> DNA  
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<400> 8370

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tatcggtgca ggggattgag tttgatggat tatcagtcct tacttttctg tccctttcaa 180  
acgctatgac acaaactctc aggcctttatg ttcagatgtc tggctttata tatcatgtat 240  
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<400> 8371

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 <213> Aspergillus nidulans

<400> 8372

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 <223> unsure at all n locations  
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 <212> DNA  
 <213> *Aspergillus nidulans*  
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<212> DNA  
<213> Aspergillus nidulans

<400> 8377

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 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 8378

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 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 8380

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<212> DNA  
<213> Aspergillus nidulans  
<223> unsure at all n locations  
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14155

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 8383

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 8384

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 <400> 8385

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 <213> *Aspergillus nidulans*

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 <213> *Aspergillus nidulans*

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 <213> Aspergillus nidulans

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<213> Aspergillus nidulans

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<213> Aspergillus nidulans

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 <213> Aspergillus nidulans

<400> 8392

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<213> Aspergillus nidulans  
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<213> Aspergillus nidulans  
  
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<400> 8401

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 8403

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 <213> Aspergillus nidulans  
  
 <223> unsure at all n locations  
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 <213> Aspergillus nidulans  
  
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 <213> *Aspergillus nidulans*  
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<213> Aspergillus nidulans  
  
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<400> 8413

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<400> 8414

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 <213> Aspergillus nidulans  
 <400> 8428

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<210>      8429
<211>      597
<212>      DNA
<213>      Aspergillus nidulans

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<400>      8429

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cccgcaaaga tcaccgccgc cccgggtctgc agatcctgaa ggtcaatggt gctggagggc 180
ggggcgtaga cgtccgagag catgatgttc gagcaggatg caacggccga ggagatgcca 240
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ggaacaaaga cggggatccg cgaaggagtt gccgtggccg tcgaggtcgt gataacaggc 480
acagaggccg ggacagtgcg agtggcaggg acaggagtgg cagtagcgct gtcaaccgga 540
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<210>      8430
<211>      1076
<212>      DNA
<213>      Aspergillus nidulans

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<400> 8430

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 tttcaatggc agaaacgcat cctgaatgac agataggcat gcattccagt acgaggaaag 540  
 ggagggcatc ttacaccgga gaacgtaagg gtcaggagtg tcaggctcgg gctggtgctt 600  
 agcctaccg agcaaagggg gtttcaacca cattcacatg tgggtggcg cctccagttt 660  
 tgtgctggtg aaacaaagcg catttcattc atccccagcc atggtccatt attgcctact 720  
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 cctgttctct aaaccaccca gtcaatgcac tccccacagc gcggtcattg gcgtgctctt 960  
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<210> 8431

<211> 804

<212> DNA

<213> Aspergillus nidulans

<223> unsure at all n locations

<400> 8431

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 atatcaagca gcctggtacg aacagaaagc ttgcgtatat cttggatgat atcaggtagg 180

aagagctaag aggtagctca ttatcaagct aaacaattcg gtgcactcag aaaatatccg 240  
 gcgcagcata gagggcgtag gtcaggtgct ttggagtcct cttgccttgg cttgggtttgg 300  
 gtagtcccag aggttcccta ccctgttctt gtgcgtgggt tactgcacca ttcttccacg 360  
 tcgaattgat ggagttgtcg caccattccg aatgccctcg agcccgacga accactcgtg 420  
 actaaggcac acttccacag aattctacga gatgccctag atgggtcaaac agctcagcgg 480  
 aaaataagag tttagtcact cctctgctca cctgcgggtca gcgacaaagc gtgcatttaa 540  
 aaagatgtgg acgcttgtct aagaaatctg aacaggaaag agtacttgta actgtcttga 600  
 aactccggta cccccagcag ggaatgaatt tcaacagcac gtctgactta tttgggagag 660  
 gagtactgag ttcagcatag gcacactcag tgcgctgtct gttagggtcc tgcctcatct 720  
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 <211> 1808  
 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
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 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 8433

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 <212> DNA  
 <213> *Aspergillus nidulans*



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cgggagttgt cgatcggggg cgatacttac attgcaggta ttgcaagtag gactttgaac 180

gagctgcggg ctgcgaatat ccgtagctgt tatgctcgat cccgcacaat gttcttgaac 240

tgtttgtcac aggttttgtg agcgcttgc 269

<210> 8435

<211> 131

<212> DNA

<213> Aspergillus nidulans

<223> unsure at all n locations

<400> 8435

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caggagtggc g 131

<210> 8436

<211> 110

<212> DNA

<213> Aspergillus nidulans

<400> 8436

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atcgcgcata tcggtgagtt gcctcaaagc gtacggatc tcattgaaag 110

<210> 8437

<211> 854

<212> DNA

<213> Aspergillus nidulans

<400> 8437

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agcacccccc caccagacc tacagcccc cgggaacgc ccagacacca actcacaacg 180

cccaagcaca ccaaaccccc acaccacc acagcccca acccaagcca cgaccacc 240

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 ccgaagacac cccgacaccc ccgcgaaagc accactgccc accgcaacac ccccatgaac 420  
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 aaacacccca aaccttaacc accccaacca aaccacccc cagcagaaaa ccaacaccgc 720  
 acccaccca ccacactccc cccccaccc cctcaccccc ccaccaacac ccaaccaacc 780  
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 tcaccacacc tctc 854

<210> 8438  
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 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 8438

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 a 121

<210> 8439  
 <211> 109  
 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 8439

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 gttctgtatt tactgatgat tgtaatcagc agtttgacag atgagaagt 109

<210> 8440  
 <211> 769  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
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 acgagaagga gggatttacc atctttgctc tcagcccagg cgtatgtagc ctgtctcctc 240  
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 ttatctgggt agcctaagca cagtaaactg agccaggata tatnttccgg aagggtctgc 720  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 8441

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<210> 8442  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 8442

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catcgacgcc agcgacaagg ccgtcaagct cagcggatgg atagaggcag gcagagtatt 600  
caagaccagt gggattagcg gcattctgca ggtgatagaa gaagacaagt actggctttc 660  
atTTTTgcgg acacaggttc agggcatcag ctcggcgagg accgatatca tcgctggtgg 720  
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<212> DNA  
<213> Aspergillus nidulans  
<223> unsure at all n locations  
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gaccagtgc aatccgggtc agttggatag tgat 214

<210> 8445  
<211> 1248  
<212> DNA  
<213> Aspergillus nidulans  
<400> 8445

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ccaagcaaga aaaacgctgt acacgaatgg ccagtatggg tgtccacggc cccaaaaatc 180  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 8446

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 tgcgagtgtg cttcgacgct cgaataacca cgcctttcct ctccagaccg ctttcaattc 240  
 tcccaatgtc tccgcagccg gtgcctacga tgatcgcggt ggtgtagagt tggaccctca 300  
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<210> 8447  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 8447

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<210> 8448  
 <211> 995  
 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 8448

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 gctgtattat tactcgatat catgattcag cgttggtact atcaaccctt taatgcctcc 180  
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 cagaatcctt tacctagtgc ttacgcgccc ttctaactcat agatgcaacc tccgcctgtc 300  
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 ctacacccat cagtcagtct caggccctga ttaggacgca tctgggcaag aaccatacaa 540  
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<210> 8449  
 <211> 962  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 8449

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 gataactcgat ataccgatta ttgagcccc gggcggagat tgcgagaagg ccatttgcct 240  
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<210> 8450  
 <211> 246  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 8450

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taaaggagtg cgtgacgttg atgtttattn gacctctatt tgatctagag ataagtatgg 180  
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agcaca 246

<210> 8451  
<211> 943  
<212> DNA  
<213> Aspergillus nidulans

<400> 8451

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aagaggggat ggggtgttaca gacaagcact cggaggtgtg acaaatgacg ccgggttgat 180  
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<210> 8452  
<211> 1166  
<212> DNA  
<213> Aspergillus nidulans  
<223> unsure at all n locations

<400> 8452

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 gctgaatatt ccgacgacaa tggcacctcc caccatgcg gtggttccgt agtaaacctg 180  
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 tttgctcagt ccncagtga tggctgggaa gacgaggccg ataatacagac ctagtgggac 300  
 aatgaggtac cgaaccatgt gtcccgtaga tttcttttgc aagcgaccag gtgatggcct 360  
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<210> 8453

<211> 828

<212> DNA

<213> Aspergillus nidulans

<400> 8453

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aaacacaccc caacccaaac caacagcccc ccggcaaacc cgcgaaaaaa aaacacaccc 180  
cccacccaac gcaccggccc aacaccgcac aagcacacaa ccccgacaaa caacccccga 240  
acagcccgga cacaaaaccc cccaacaaaa aacacgacac aaccaacaac caagccaaca 300  
cgacacaaca gcgcataccc gcagagcccc cccaccaccg gggaaggaac accaaccacc 360  
caccaagagc cacgcacagc cccccgac aaaaaggacc cccaccgcac agagccccca 420  
agaacgcacc agaaaaccca caaacacccc gaaacgaaaa cccagcccc taacaggaaa 480  
ccgcaaaaac cagcaccacc cccctccaca aaaccgcacc ccaccaacca acccaggaaa 540  
ccaccgacac atgaacgcaa cagaccacaa aaaagacacc gcaacaccaa aaccccagac 600  
aacaccaagg gcaggcacia ccaacacgca gaacaccccc aaggggcaa cgccccgaca 660  
ctgaaacaac cctaacaaga accgccaacc acaaagccca catagaaacc aacgtgcccc 720  
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cccaaacccc cagacaaacc aacacggccc acaacaacac acccccca 828

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 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 8455

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<210> 8456

<211> 873  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 8456

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<210> 8457  
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 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 8457

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cgacctggac acggccaatg ggttcaaacg attctgtcgt ggaacctgac agggtcgggg  240
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 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 8458

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<213> Aspergillus nidulans  
  
<400> 8459

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<210> 8460  
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<213> Aspergillus nidulans  
  
<400> 8460

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<212> DNA  
<213> Aspergillus nidulans

<400> 8461

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aaccacggtt aagaccgc 318

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<213> Aspergillus nidulans  
<400> 8462

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<212> DNA  
<213> Aspergillus nidulans

<400> 8463

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<211> 241

<212> DNA

<213> *Aspergillus nidulans*

<223> unsure at all n locations

<400> 8464

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<210> 8465  
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<213> *Aspergillus nidulans*

<400> 8465

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<210> 8466  
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 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 8466

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<212> DNA  
<213> *Aspergillus nidulans*

<400> 8467

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<212> DNA  
<213> Aspergillus nidulans

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<211> 604  
<212> DNA  
<213> Aspergillus nidulans

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<210> 8470  
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<212> DNA  
<213> Aspergillus nidulans

<400> 8470



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<210> 8471  
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<212> DNA  
<213> Aspergillus nidulans

<400> 8471

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<400> 8473

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<400> 8474

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<211> 716

<212> DNA

<213> *Aspergillus nidulans*

<400> 8475

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<210> 8476

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 <213> Aspergillus nidulans

<400> 8476

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<400> 8477

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<213> Aspergillus nidulans

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<400> 8482

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<212> DNA

<213> Aspergillus nidulans

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<212> DNA

<213> Aspergillus nidulans

<400> 8486

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<211> 561  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 8487

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gcccgttgtg atatattacc tttcagtagc gattttgcat ggtcgaacga cccgaattcc 180  
gccagcgcga cgcttgattc ttcagattcc gccagcagcg atcacttctc aacagtgtctc 240  
tctaactcttg cccgaggaac atatggctcc gaccactgca tactcctcct tgaccttcgg 300  
aacgcttggc ccaatccgct ctcggtggct ttacacgtta cggatgtacc tcatgagtca 360  
cccgacatgg ctgccgcgcc tactgacgga gccggtcgat acactctccg tgagaccctt 420  
caaccgggac aaacctctcg tttcgttctc gttgtaccgc gggtttacat ccagaatcct 480  
catgcatcaa tccccctctt gaatacggga tcaaaaagac agtttgttgt cagcgcgcgt 540  
aagctcacgt ttgatgctga a 561

<210> 8488  
<211> 734  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 8488

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tacctgggca tcaattaatg tgcagaataa tgcacctgaa tgggttgagg ttctctcgat 180  
ttactcttca aatggttgga tttcaacttg ctgcacctga gtggaaaata ctgacaaact 240  
acttagttct ccttagaaat ggagactcct ctgcgccttg caccacatca gaccctcca 300  
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tacagagctt tccaacatgc aacaatgtgg aatcagactt tcatggtaaa atttgcta 420

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 gccattcttc gtccgcctcc cttgcaccc tcttggtgctc tcaatcaaac caacactttt 540  
 ttgcctttga taataggtct tcacggagca ggccttgagg cggatgatgt acaagtgcgc 600  
 aggatgatgg atgccgcgta cggcatctgc gcgtggatgc tatttccaag cgggtgttact 660  
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<210> 8489  
 <211> 600  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 8489  
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 caaaagaata aaatgtcaca gcgcgaaagg aaagggtcca atggagacgt gtctaaacgg 180  
 gagtctagtg gtcaattgga atgtgcattg gggaagggtg ggtggaaagg agagagacgg 240  
 actgaccttc agcacccgag ctgttagcgt tggctggtca gtaataatag gggctagttg 300  
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 atatcgaaga aatactgaag agaagtaagg gtaaaagaaa aaaaaaaaaa gaagaaggat 420  
 gttatttact cgcagtcgtt gaggggtcaa aggggtctgcg gaatgacagc atgcggacag 480  
 acataaaatg aagacagaga atggcctgaa gctattgagc tcgaagtggc taagcgcaaa 540  
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<210> 8490  
 <211> 956  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 8490  
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 cactagtggg cgggtggtgca aagaagcggg tgaggtcctg tgccgacaga tccgcagagc 180



<211> 637  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 8493

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 tcacgaggat acagaaatct atgatttgct gtgtgttaat ttcgacggct atatgcgaaa 180  
 atatcagttc taatggatta ggggtctagtc cgaacatcgg acatgtgctg gtgctcgggg 240  
 tgagtcattc cgggtgggct tggccaaggc tctgatcaga taagatctca actgaaaaaa 300  
 gttccaagct cctcccacca acgatccaac aacttcatcc tcgttcatct cagtctcgag 360  
 ccattggggtt ggaatcttcg acagatcgtg gttatattgc tttcagtata atgttttcat 420  
 ttgtctaggt acacccgacc gtgagtatct cttcacttct gaatggaggc ttgtcgttag 480  
 gcgggggttct cgagctccgc tccgctctcg gcttccaccc accgagctct tccttgact 540  
 cgctttctcg cgctactaa caatcttggc ctgtagcgag caaacgtct cctaactctg 600  
 cagtatacta cgagttctcg ccaactgccg gtgtggg 637

<210> 8494  
 <211> 1244  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 8494

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 cgatccgaag ctggactgac ccgagataag gcgtactcta tgattcagtc cgcaagtaa 180  
 gaatgctaga attatccacg aggcaaattc tgaaatcgta taatagatga tcggcctcct 240  
 taattgacca ttgatgttca cgaaatccta aacagtgaag agcgtcttaa gaggcagtgc 300  
 gggtcgatat ctcagctgca ttactccagg agcgtagatc atgcctagta tagattagaa 360  
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 tactctgacg ccgtctgcct gctcattcgc ctcttagaat tagacagggt gcttaggata 480  
 caaccggtaa ctactagggt atgctatcag tagacagtta gcgttgata tcctctcaga 540

cgctcctcat cgatcagctc ggatctatca gacttaaacc acagctcaag atattagcaa 600  
gctgaactgc tctggctttt aagtgcgtgc tcaatacagc ggacgctctt ctagtcatcc 660  
ttctagacgt ggaaagctcc ctgcgtagcc gggcaaggct gtttctgtct attgaaatct 720  
gtgggtaaga ctgtgggaag cctggaaggg cagctatact tctactggca agagcccgac 780  
gatcactcca acgtaagcta tttaacagct tatctgcttc gaattcctag ttgctgccta 840  
tattgatcga tgatccaaac aaacagattc ccaaatatct atgacagcgg aactcttgct 900  
aatctctccc taatttactg gcttcggctt gggctttaat acaatcccgg aaagtgaacc 960  
tcatggcaag gcttaattat ggtccgaagc ccgtgctaga gatatacctg ggggcctaaa 1020  
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tagctgagggc gttgtgccta tgtactaatg gccagtgtag taagatcgga tgaatcggcc 1140  
ccggaacagc agaccagcta tgccaaaccg tgtctcagtc tgcaactggaa taacaacgag 1200  
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<210> 8495  
<211> 1082  
<212> DNA  
<213> Aspergillus nidulans  
<223> unsure at all n locations  
<400> 8495

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catgtcattc tatcagtgag atattcaaaa ttaaaagcta taaaatgcgt ttatagacta 180  
ggcgttgttt ggcgttctgg gaatccattg acagagccca ccttggcaca gcgcgatcaa 240  
ataagcagag tcttgctcgg gaacaaggcc atgacatctg aaggccatcg actctcatag 300  
aaaatcaagt acggatgttc aaatcatata ttctctgaat caataaaata taaccaaadc 360  
agtttgaaac ttgaatcatc ccggccagca acaatacatg acgggcagca gtattttaat 420  
tagactttac cttactcgaa ttgatcgtac ttttcagtgc atggatcggg ctagtggtca 480  
gcaaccgtgg aagaatatta atgctcctgt cgttgtagta cgatcctgtc tgccctcgggg 540  
tatcttagcc cgagcgggtg tgagggattt cgcggggtac ttgcccggag cccgagtgtc 600  
ggtggctgcg gggcagttga tttcggattt ccaatccagc tacgggttcag gatcgcggcg 660





ctaccccgat aatatggggtt tgtctcgcgc tcttagtcag tacaatctgc cggccacctc 960  
gagggacgct gtcgatagac gaggtataga acaccagcag accccaataa caagcaatga 1020  
ggacagcaag cagtcttttg aagttccctt cgggaacgtg gggg 1064

<210> 8497  
<211> 181  
<212> DNA  
<213> Aspergillus nidulans  
<223> unsure at all n locations  
<400> 8497

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tttgtggcct gagtacgant ctcagtagnt tngggcttgt cgcgaactcg atcgcttgnt 120  
ctctcgcngt ccggagtggg cgcgcgctat gacntttccg ttgcagtgtt tgagttccca 180  
g 181

<210> 8498  
<211> 236  
<212> DNA  
<213> Aspergillus nidulans  
<223> unsure at all n locations  
<400> 8498

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ggttacgtcg ccgtgttacg agcttcctag ggcgacgtag ctanccgata tgtcgaccag 180  
tatgaccggt tgcaagcgng tctgatagg cggaaagggg agttccttcg tgccga 236

<210> 8499  
<211> 1211  
<212> DNA  
<213> Aspergillus nidulans  
<400> 8499

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gagcagaagg tgcaaactga tattgttaac caaggtcttc cagaaggggg gagcgccata 180

aaaaaattaa cctccgttga acttttttgg taggacaaaa catggggaat aattacgggc 240  
 ggtagaggg ggtatttccc tgaatctaaa caaaaagccc attggggaac cacacaaccc 300  
 aagatctttt tcccccttcc accgaagtga ggggatcaac cttaaaccct atggaacagg 360  
 gcagctaaaa ttggatcaaa accgaatgcc aagccagcaa tccccagcct tttccatcaa 420  
 ttgcacaaaa ggacgtttgg tagaccttac ccagggtctc gatccgtcgt tgctcgaccc 480  
 aagaatgttc cagcggaacg ttactttgtc cttggtggat tgggagtctt tgaccaaccc 540  
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 ccaacagcaa catgagcgag tcgcagcacc ggtggtggtg gagttctccg cagatgccac 720  
 agttccttta ctccatctc tccccgcacc acttcacctt aaaccgatg cgacctatat 780  
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 gcttgagagc ttccgtgctc gcggatgcaa ggtcgacgtg gtgaagtgtg acgtgacgga 960  
 ccaagaacag gtgcaagctc tggtacccta gattcgggag caatcgtgga atgttcgagg 1020  
 catcatccaa ctggcaatgg ttctccgggt atgtaattgg acttcattca ccgtgaccgg 1080  
 ctaaccact gacettattg cttgcaggac tcgatcttcg aaaatatgac cttcgataag 1140  
 tgggaaacag ctgtcaaccc taagatcaaa ggaacgtgga acctgcacgc cgagcttccc 1200  
 aaggatgttg a 1211

<210> 8500  
 <211> 1602  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 8500

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 aatttccagt tcgtccgct gcctattgta ccgtccggcg tcagtctcga aatctaccct 180  
 agcaaccaac caagtgaatc atcgcgtagt catgctaatt ttaccgttgg gcaagcgtga 240  
 tgacgccaac gtcgcatttc gagcttgagt ctgttcctgt gcggggaacc ctgacattgc 300

tcgtaggggt tgcggacccg gtcctaggggt atcaaaaacc gtcagcgggg atagttaaac 360  
 gacaaggagg cattaatata gactgtagta acagtgcgta tgcttgaca agaaccggtg 420  
 gcggggggag ggaaacggtg cgaagtgtgt cggccccagg cggagagacc atttgtgaga 480  
 gatgttgcaa ttgaggcagc ggaataagac aaagccttcc ttcgcgcaaa aatcctctga 540  
 accaaacaga caaccgcgtc taaagaaagc cgaatgcacc agaaaccga agcagatggc 600  
 catggccgag cccatacgac aaggagatga aggaacaat cgaaactgac gaacctggcc 660  
 tattcatggt gagttctcgc cttttgaggg cagtcgatat tgggggaatg tggaagtcga 720  
 gaatcgaggc tgagttcgta cgcagaattc cgatagcttc gaagatcgga gtggtttcaa 780  
 ggatgtctcg tttgccca cctgctgcga cggctttgga aagtaagtgg agtgggtgat 840  
 attagccgcy cgtttaaact gtgcacggac atcattgttg cgttcttacg actcggcggtt 900  
 atacagtcac ttagacacac ttagacacac ttagacacac ttagacaata ttgtacctca 960  
 gtatagctat tcataatcgc tatcgcatcc actctcagat tggcaagtta gaagaggtga 1020  
 cttcgtgtag gcatagaact aactagcata atatgacctc gacgttattt acaaaaagca 1080  
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 gaaccggtcg tgcgtccaga cttegaactt ttttgtaac cggcccggca gccggacatg 1500  
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 aagctgggag cggaaaatac ccattgtcaa accggttttt ct 1602

<210> 8501  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 8501

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<210> 8502  
<211> 310  
<212> DNA  
<213> Aspergillus nidulans  
<223> unsure at all n locations  
<400> 8502

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atgaccctca agacggtgct ggaacatcag cantctngct ncngagacgn gacatctact 180  
tcngaattaa tgagtcgatt cggctgtcct gcattcatca cagagcctgt cccatcacng 240  
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agggagtgat 310

<210> 8503  
<211> 113  
<212> DNA  
<213> Aspergillus nidulans  
<400> 8503

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<210> 8504  
<211> 1052  
<212> DNA  
<213> Aspergillus nidulans

[illegible]

<210>	8505
<211>	1060
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gtttggcgcg ttctaggatg agacgggttc ggttgctgcc cgcggtgta aataacttgta 180  
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<400> 8507

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tcagttggaa cacaagtctc agagcctatc aggatggaaa caagcggccc atgtgccctt 180  
ccatgtctat gtgacgacca gccatattgt tttcagtata tttctcggac agtgcagggt 240  
ctccggctag atgtcgtcat caagctctcg tgggctcgt gtatccggtc tgagatacgt 300  
ccaaatgcct tagagcaact atcgaactat caacgcttaa ctgtcagtat aattgtctgt 360  
tgaaatgggt tgatggagat aggatatagt atgcctgaaa agaagttctg gataccacta 420  
acagcagacc tgaaagttgt ctgagcctgg catatcagga ctaacaccag ggatatgccc 480  
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aatggcttgc aggtgcaca atatcagggt tctctgaacc atcggtgagc attagtcggc 600  
gtgaatgagg cgctccagca agcttgagtt atcaatatga caagctggtt tccttgggaa 660  
ggtacgcggc aatatccaacg cacacacaaa tacaaccaat aacacaggca aataatcaga 720  
cctgcagaca gctacccgac gaatctgac gtcgcccctt gaagccacct tgtctctcat 780  
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cacccaatgt t 851

<210> 8508

<211> 810

<212> DNA

<213> Aspergillus nidulans

<400> 8508

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gtctttgtcg attcatacct gtactgcctt ggcatgctg tgaaaataaa acctgctgct 180  
ctaacatgta ttggccaaac tctaagagac agatgtttat gatagtctat cctcgaatgt 240  
acatgacata tattcgctat aacgacagat ctgacgaacg tctgccgtct gtctgtctgt 300  
atctacatag aagtcgttca cattgatgag gattcagcca taagaagttt tcgtaagtcc 360  
gaatatgttg ctcttcacgt tatacccttc gaatcgtcat atagctcttt tactatttca 420

atgaaaccta gatccctagc tttacacgaa acatccaatt ttctcgtttc ttatgttcac 480  
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 cattctaaga atttcaaagt tcatgttttt tacgtagaat cctctactta gggcttattc 600  
 tatgagctat accatcttta tagcataggt atattattgt ttaatgtacc tccctttcct 660  
 attaaccata gatctgttaa atcctttctc tactatcata tattctactt tacttttcct 720  
 aattcaattt cacatatcat ctttattttc catcacaatt atttcattaa catatacgcc 780  
 atattcattc ttaatcttat agttttctca 810

<210> 8509  
 <211> 553  
 <212> DNA  
 <213> Aspergillus nidulans

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 tttagtagga ggtagactgg aaaaagtcag aatttaataa ttattgagac atcttggtg 180  
 tgtcttctca agtacaactg aactagtgtg ggctaaaagc agctgacatt cacaaacagt 240  
 aatcagggtc cattttgtgg gacaaatatt gcttttttgc aagcttcgtt ctgctccaag 300  
 aaattaggct tatctagtat ttgagctgga gccagatcac ttgggttcac agcaatctaa 360  
 acttaagctt tatttctagc tgtaccagtg ccttgactaa ggtcatgtat ctccttgtga 420  
 atcagtttat actctgtaaa gacaaaatta actttatgca aagatatttg atgatgttaa 480  
 ctgagttaat atatataaca aagatttggt ttactgagaa ataatagtat tttcccatgc 540  
 ttttagaaaa agt 553

<210> 8510  
 <211> 1265  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 8510  
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 ctgctctttc tagcactacc ttggatggcg ctcatcaac tccgaatgtg ctccatgcac 120









tgttagttag ctcgtcttca gagacataca tgattgacac ttggccgtat ttagacgctt 540  
gctgaggcta gacagggtgt gtcttttaaaa acaaagggcg actagttgtg tgttatagtc 600  
gataacctta gactgggatg caccttcttc gatgagcttg gtttcgaagt atagggctga 660  
aaacgtctct cggccggtca gacgtcttga attctcgtag cttgataatt catctagtta 720  
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ca 782

<210> 8515  
<211> 833  
<212> DNA  
<213> Aspergillus nidulans

<400> 8515

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cctacattgg acaataccta ctcagccgtt gcatagtcag gaaccagaat tgcttggttg 180  
tctgtggtat tgccagactc taatacccta ttctggtggt cagtctgggt ctgaccagc 240  
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<400> 8516

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<210> 8517

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<213> *Aspergillus nidulans*

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<213> Aspergillus nidulans  
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<400> 8521

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<400> 8523

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<400> 8525

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 <213> Aspergillus nidulans

<400> 8527

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 <213> Aspergillus nidulans

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188

<210> 8533  
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<213> Aspergillus nidulans

<400> 8533

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<213> Aspergillus nidulans

<223> unsure at all n locations

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<213> Aspergillus nidulans

<400> 8535

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 <212> DNA  
 <213> Aspergillus nidulans

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 8537

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 8538

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<213> Aspergillus nidulans  
<400> 8539

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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 8540

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 <212> DNA  
 <213> Aspergillus nidulans

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745

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<212> DNA  
<213> Aspergillus nidulans

<400> 8542

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<212> DNA  
<213> Aspergillus nidulans

<400> 8543

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<210> 8544  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 8544

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<210> 8545  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 8545

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<210> 8546  
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<212> DNA  
<213> Aspergillus nidulans

<400> 8546

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<210> 8547  
<211> 1656  
<212> DNA  
<213> Aspergillus nidulans

<400> 8547

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<210> 8548

<211> 911  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 8548

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 8549

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<211>	883
<212>	DNA
<213>	Aspergillus nidulans

<400> 8551

<210>	8552
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<212>	DNA
<213>	<i>Aspergillus nidulans</i>

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gggaccgagc catatcagcc accccgtcag catggactat acaataaccag acatctatat   180
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<212> DNA  
<213> Aspergillus nidulans

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 <213> *Aspergillus nidulans*

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 8556

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 <213> Aspergillus nidulans

<400> 8557

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<213> Aspergillus nidulans

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 <400> 8562

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 8563

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<210> 8564

<211> 1034

<212> DNA

<213> *Aspergillus nidulans*

<400> 8564

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 <213> Aspergillus nidulans

<400> 8565

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 8566

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 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
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 ctccattcgt cgc 193

<210> 8568  
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 <212> DNA  
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 gatagaatca ttgagctgaa gacagaaata tattatgtct gatgcaagta cgaatatcaa 240  
 gggcaatact ctgaatatgt tttgaggttt ccttgctttg gcttacgtgt actttcatat 300

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<213> Aspergillus nidulans

<400> 8570

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<400> 8573

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 <212> DNA  
 <213> Aspergillus nidulans

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<213> Aspergillus nidulans  
  
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<212> DNA  
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<400> 8579

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<213> Aspergillus nidulans  
  
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<213> Aspergillus nidulans

<400> 8584

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aagacgagaa aagaatggcg aaatagtaga g 1351

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<212> DNA  
<213> Aspergillus nidulans

<400> 8585

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<210> 8586  
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<213> Aspergillus nidulans

<400> 8586

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<210> 8587  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 8587

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<210> 8588  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 8588

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<210> 8589  
 <211> 1762  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 8589

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 gtgattgtat tctcttcatt ttagttaagg ttccttaggt tgatggaggg gctcgttgct 300  
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 caagatcttt cattaagtta gtgggactct gtaacacgcc agctatcttt ccaaggggtc 600  
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<210> 8590  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 8590

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tcgctaggaa cctcgatcaa ctacgaaata aaaccaaacc ggccgtagat tccaccagat 1260  
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<210> 8591  
<211> 557  
<212> DNA  
<213> Aspergillus nidulans

<400> 8591

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aactagagta gacgggcaaa ctcagagtct gaacactgac taactacgct tgctgattga 180  
tttggaaatta atgtcccagt tttgaagatg atgatcacag cactagggtg ctactgatgt 240  
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<212> DNA  
<213> Aspergillus nidulans

<223> unsure at all n locations  
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<210> 8593  
 <211> 113  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 8593

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 8594

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 gccgtgttg aattcaacct tgcactctcg cgcaatctcg tgcacagtgt ctagtgaaac 480  
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 <211> 507  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 8595

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 gactgtcgcc gattttacta aaccaag 507

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 <211> 183  
 <212> DNA  
 <213> Aspergillus nidulans

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 tgatccgac taggtgagtt cacattgggc acgcactga gattgccatc atggcgggct 180  
 caa 183

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 <212> DNA  
 <213> Aspergillus nidulans

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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 8598

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577

<210> 8599

<211> 99

<212> DNA

<213> Aspergillus nidulans

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<210> 8600

<211> 905

<212> DNA

<213> Aspergillus nidulans

<400> 8600

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ggcctttcca acttgcacga tcagacttca gagaggaaac agcggatgac ataggaaatg 600

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cgctcagcat ccaacatccg tcccatgtct tgcctacacg gaaatacggc tcattcaaag 720

aatggctcga gaatgaagg actgggccag ggcgcgtgct tactatgaca gatgcgttgg 780

aggaggcgca gaaaagacgg caagtaacgg aagctatgga gcctggcggt cttttgagct 840

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14304

<210> 8601  
 <211> 662  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 8601

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 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 8602

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 <213> *Aspergillus nidulans*

<400> 8603

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<213> Aspergillus nidulans

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 <213> *Aspergillus nidulans*

<400> 8609

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1338

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<400> 8615

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<400> 8616

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<212> DNA  
<213> *Aspergillus nidulans*

<400> 8634

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gccgacgccg atatggacaa taccttctt gacggcgcca ttgagagggt aggtagggac 420  
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ggggggcatt ttgcacaaca ccacaacaga acaatgggaa gactagattt tcaagagcag 540  
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cctggagcgc tgaggggggtg ctcacgccgg ttt 633

<210> 8635

<211> 103

<212> DNA

<213> Aspergillus nidulans

<400> 8635

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<210> 8636

<211> 963

<212> DNA

<213> Aspergillus nidulans

<400> 8636

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gctggtgatc cggaggagcc cgaggttgat gacaccgggg accttgagga acatccggca 180  
gaatataatg acttggaatc atatcaccag cagccgccct tagaggagga tgtcaagact 240  
gatgttgctg atgctgctga tgctgctagt gaggatgacc tcgctctgaa acctctaccc 300



gaggatagtt ccaacacgac agaaccgccc ttggatggca actcgccgga gaagtccgac 360  
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ggttcgaagc ccgtggacct cgtcggagtc ggcgaggtag atgagccggg tcacctcgac 480  
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tta 963

<210> 8637  
<211> 431  
<212> DNA  
<213> Aspergillus nidulans

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aagatgtggg ttacagagaa tgcaggtgga agcgagctcc caaaacttt tgctgcaata 180  
aacagtgttg gcctggatat tgtcacatga cttacgggc ggtatatgta tatggcctg 240  
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cgccgagacc gaatcaccta ataggatttc tgttgcttca aaaatgttat tcgccaaca 360  
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<210> 8638  
<211> 498  
<212> DNA  
<213> Aspergillus nidulans

<400> 8638

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tagaagcctt agtaagatta caaaaattag tactataagg aacctagtat atagtagaat 180  
aataaatatt attttaatac tctctcttaa tatactttat aatttttagta ttaagatata 240  
tttctaagac tctaagctag taatagggtta taaggataaa gaaataatat tctaggagct 300  
tatctaaatc tagtttttta ttttatagtt actattttta tatagtaggt aaagactatt 360  
tactactaga ttagtatttt cttaataata ataattttag agattaaatt ataatagata 420  
cttagaagct tagaaaaagt aaaaattaag attttttttag ctataagtag acttattaaa 480  
ctacagggtta tggcaggt 498

<210> 8639

<211> 514

<212> DNA

<213> Aspergillus nidulans

<400> 8639

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ttgagaaaagg acaaagagtc agactgagct cggagggaga cggtagcatt cgagagacat 120  
acccaagta ccatgccc aa gggaaagatt atgccaaagg acaactcccat gagaatcata 180  
tgaatccata gtgtcgagtc ctagaacatt ggcgcatgtt cagtccgcgc aaagttaagc 240  
atagctaggc agggcatcat acaatagggt cgtctgagat agcagcacct tcgggaacat 300  
gcgaatggtc gccgtgagcc agggcagggg aagcgaggag caaagctcca agtaccgccg 360  
gtaaacgaag agcgcccaac atcttgctt ctttgctggt ttgcggaaag aaggaggagg 420  
atgaggggag agaagagagg caggcttacg aatcttctga ttgaaacgat cggaagcggg 480  
ccgggtaatg gagacggaga ctgagaaatg gaga 514

<210> 8640

<211> 183

<212> DNA

<213> Aspergillus nidulans

<400> 8640

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gcacttcgga aacacgagat ctatgaattg atggtcggtc ggagaccgca cctcgtccat 180  
ggt 183

<210> 8641  
<211> 138  
<212> DNA  
<213> Aspergillus nidulans  
<223> unsure at all n locations  
<400> 8641

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ccaaagcgng accgaatcgt tacgcatgat ttggatcggc ctcacggccc agcttcacgt 120  
ttctcagacc cgcggtatt 138

<210> 8642  
<211> 499  
<212> DNA  
<213> Aspergillus nidulans  
<400> 8642

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gcaatagtag cctgtcttct tgatggggta attgacggct tctgggttct ttaggtgtac 180  
tgcttgcgag attatgcggg actgcgcggc ctccgtggcg ttccgcagca ggaggaaaga 240  
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tacctcggga tcgtcggatg cacgtcttcc aatcaaatgt ccatcgcccc attcgaatat 420  
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gatgaagggg tcgacactt 499

<210> 8643  
<211> 795  
<212> DNA

<213> Aspergillus nidulans

<400> 8643

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<210> 8644

<211> 232

<212> DNA

<213> Aspergillus nidulans

<400> 8644

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gcggtgtctg atatctgcga tagcagggct accggatggg gacattacca catccattcc 180  
caacggatc ctgacgtcaa gttctccgat gtcaagccga gtccaggcct tt 232

<210> 8645

<211> 1426

<212> DNA

<213> Aspergillus nidulans

<400> 8645

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gctggccccg ttggcgcttc ccagcgctca acgacgagta ccctggcgcc acagtcgac 180  
ggctcttcgg cgaagactac ctgcacaaga tctacttcaa agcggattca ggatataagg 240  
ggcggctactc agttccagta ctgtgggac ggaagacggg gacgatcgtc tgtaatgtac 300  
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caactcagct cagtctcagt ctcacccag ttacaacaac aaacaagcac tatcagatac 1260  
agcgtgaacc agggaaaata tgccctctcag gcaagccgca acgaaccggg aatgcttaca 1320  
ttcgtccctc acatacgacc cctcgcttat tgccgcccga gtgcactaca cccaaccctc 1380  
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<210> 8646

<211> 546

<212> DNA

<213> Aspergillus nidulans

<400> 8646

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tgtggacaag aaagattccg attccgtacg gcatttcctt taaaggattt gcggacctcc 180

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ccaggaagtg gggaaaatgt gctgatgtag taggtgaatc ctggcgctgg gatatgacgg 420

cttgattggt acgaagagga aagcaagtcg cagaaagcat catgagaaaa attgttacia 480

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caacaa 546

<210> 8647

<211> 433

<212> DNA

<213> Aspergillus nidulans

<400> 8647

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tcaagcttag gaactaaggc catgccttcc tccgaaatgt ccaaaccggc-gaccacgagg 180

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tctaatacag ggtaactgac aggggctgac ctgccggacc ctgagagagt actgcctggt 300

cagacccgct atagactagc atgatcgtg tggccgtgct aaccgatgtt accagggcac 360

tacactgtcg tttatctgac tggagaggcc tccgtcacta tagacagttt ggggtgtacia 420

caagggccag cca 433

<210> 8648

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<212> DNA

<213> Aspergillus nidulans

<400> 8648

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cgaggtgctg gtcccaacaa cctacttaaa cgcagacgca tccagatcac gcgcaggctg 180  
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<210> 8649

<211> 145

<212> DNA

<213> Aspergillus nidulans

<400> 8649

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145

<210> 8650  
<211> 449  
<212> DNA  
<213> Aspergillus nidulans

<223> unsure at all n locations  
<400> 8650

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<210> 8651  
<211> 529  
<212> DNA  
<213> Aspergillus nidulans

<400> 8651

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 <211> 371  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 8652

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 <213> Aspergillus nidulans

<400> 8653

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aaccagtgac aaagctctgt aacagggtct tcaaagacga gaatgcactg agtgaccacg  180
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 <211> 1110  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 8656

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<210> 8670  
 <211> 496  
 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 8670

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 gggttatacc aaatgcggat ttttatggga actttgtctt tacgggggatg tacgtttcct 420  
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<210> 8671  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 8671

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<210> 8672

<211> 1032

<212> DNA

<213> *Aspergillus nidulans*

<400> 8672

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gcaatcattt cctcctcagc caggaagctc tcgaacaaac agttttaccg atgaagcttc 180

taacgaagcc gagaggggtgc tggaaaagcc accggatgcg tcaaaatagc aacctttctc 240

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cgccattttg aatcctacaa tactcccccc accaaaggga aagcttgaca caaatcggtt 660

cagtttaagc atctcttctt cagatgacac aatccttgag gtcgggtccg cgcgggacat 720

tggctattgt aaagctgtca gaaaggacgg taaaatctgc caagtatggg ttgacggtcg 780



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cggcttttat ggcgggtcaaa agcgatctac acagaaaggg tctggagagg gacatcacac 960  
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<210> 8673  
<211> 985  
<212> DNA  
<213> Aspergillus nidulans

<400> 8673

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tgaatgactc ggtaacaaac tgtattattt acagcaacat aacttaacta acaatccagc 240  
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tcaacctcaa gcaggaacaa tacggtgtac agcttccaac aaatagaaca cctgtttttt 780  
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<210> 8674  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 8674

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<210> 8675  
 <211> 1170  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 8675

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 <211> 1577  
 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 8676

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<211> 2173  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 8677

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<210> 8678  
<211> 902  
<212> DNA  
<213> Aspergillus nidulans

<400> 8678

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<210> 8679  
<211> 1769







<400> 8682

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agattactca cgacatcaac acccatccaa aggttggtgc catttgtagt gaatgggcct 240

ctccatgcgg catttactac aatcgccgct gaaacagaga gcggcaccgt tccctcgccg 300

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aacg 1324

<210> 8683

<211> 779

<212> DNA

<213> Aspergillus nidulans

<400> 8683

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gggagttggt aaggccttca ttacttattc attattccgc ccttcggtat tgttgatggt 180

ttcgagtccc tagcctaagg attcagcaga cagctctctg taactcttta gaaaatgcca 240

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ctccatacgt cactcaaggc caggtacaca aacgtatcaa cagcagatac tgtagttttg 480

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cagaatcatt ccccgacgt tgcacgcatt gcaaaccaaa tggattatat tggcattgta 600

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<210> 8684

<211> 2076

<212> DNA

<213> *Aspergillus nidulans*

<400> 8684

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aagaagagaa gaagaaaaga gagtaaaaaa gaagtgaaaa agaagaatag taggggtagg 180

aaagaaatag agaaaagatt aaagaggaag aaaagaaagt agtgaaagaa gaaagtaaaa 240

gaagagaaga gattaataaaa agattgaggg gagtagaagt tagacattat aggagaaaaa 300

aaaagaaagg ggagcgtcac ccataaatag acagggaaaa aataaagagg ggaacaaaaa 360

attatagggg aaccaaccgg gaataagaaa tcaaaatatt gtccgggtaa ggaaaacgcc 420

cactccgaaa gttggtaaag gaatgcacta aaaggaaccc ctacatcaaa accctgtcaa 480

agtctggcac ccttcggggg attttaaggc gcggtcccct taatatgcgc aatggaccat 540

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<400> 8685

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<400> 8686

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<400> 8687

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<400> 8688

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<400> 8689

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<400> 8697

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<210> 8699  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 8699  
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<210> 8700  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 8700



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<210> 8702  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 8702

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 tggcccaagt tcttgcctga actccgagag gcccttgcgc tggattcacg catagagctc 360  
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<210> 8703  
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 <212> DNA  
 <213> Aspergillus nidulans

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<210> 8704  
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<212> DNA  
<213> Aspergillus nidulans

<400> 8704

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<210> 8705  
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<212> DNA  
<213> Aspergillus nidulans

<400> 8705

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 gggccactca agaaaaaatg tctatgagat gccgaatgcc aaaggaatag cactgagata 360  
 tattgaccat ataggcataa tatttgaata cagataatag cagattcaaa tgcataggca 420  
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<210> 8706  
 <211> 573  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 8706

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 aatcagctgt acatactctg gtatcgctta tacaggaacc tcagacagta atattgatat 180  
 tgtcatgcct caagaccaaa ctctttttct caccctgtcc ttatccattt cagaaagatc 240  
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 aaaaagtacc catcgaatta gggtaactaa gatggcccg cgggtggaag ctgcaatagc 360  
 ggcgactctg agactcatgc atctgcggat ggcagctgta agtctcgtag tctgataaac 420  
 aagaagtaac ggcaaaacaa gattgaactg aagcacgtat gcccatcaac aaggccagga 480  
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<210> 8707  
 <211> 927  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 8707

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 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 8708

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<210> 8709  
<211> 643  
<212> DNA  
<213> Aspergillus nidulans

<400> 8709

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<210> 8710  
<211> 168  
<212> DNA  
<213> Aspergillus nidulans

<400> 8710

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aactccatct cccattccaa tatcatggta cttgtgtatc aaatacta 168

<210> 8711  
<211> 825  
<212> DNA  
<213> Aspergillus nidulans

<400> 8711

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<210> 8712

<211> 149

<212> DNA

<213> Aspergillus nidulans

<223> unsure at all n locations

<400> 8712

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aactctggga atgatagaan agatacatt 149

<210> 8713

<211> 792

<212> DNA

<213> Aspergillus nidulans

<400> 8713

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<210> 8714  
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<213> Aspergillus nidulans  
<400> 8714

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<210> 8715  
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<212> DNA  
<213> Aspergillus nidulans

<400> 8725

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<212> DNA  
<213> Aspergillus nidulans

<400> 8726

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 8727

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<210> 8728  
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<212> DNA  
<213> *Aspergillus nidulans*

<400> 8728

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caagcataac catggcatac atattgccct cttttatcat acgatcaaag tcccgcggga 420  
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1307

<210> 8729

<211> 1401

<212> DNA

<213> *Aspergillus nidulans*

<400> 8729

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 <211> 647  
 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 8730

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 aaggatcgag ccgttgagat taacgaactc agggagggat tcggcgcata cgaatcctca 600  
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 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 8731

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 agcgggtggga gtgggagctt tgg 623

<210> 8732  
 <211> 102  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 8732

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<210> 8733  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 8733

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<212> DNA  
<213> Aspergillus nidulans

<400> 8734

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 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 8735

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<210> 8736  
<211> 587  
<212> DNA  
<213> Aspergillus nidulans

<400> 8736

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<212> DNA  
<213> Aspergillus nidulans

<400> 8737

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<210> 8739  
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<212> DNA  
<213> Aspergillus nidulans

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agcgcaacgt cagcaagcag gt 142

<210> 8740  
<211> 101  
<212> DNA  
<213> Aspergillus nidulans

<400> 8740  
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<210> 8741  
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<212> DNA  
<213> Aspergillus nidulans

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 8742

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 <213> Aspergillus nidulans



8743

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<400> 8744

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<210> 8745  
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<212> DNA  
<213> Aspergillus nidulans

<400> 8745

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<210> 8747  
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 <213> *Aspergillus nidulans*

<400> 8747

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 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 8749



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<212> DNA  
<213> Aspergillus nidulans

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**THE**

14417



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 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 8754

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 <400> 8756

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<400> 8757

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<213> Aspergillus nidulans

<400> 8758

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 <213> Aspergillus nidulans

<400> 8760

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<210> 8762  
 <211> 1270  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 8762

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 ctgctgtgaa ctgctgcagt cagactgtca ctgtgactga ctcgatgcc agcactggaa 180  
 tttgtcattc tacagtaacc tgcattctgc cttttgtcgt ttgagatagc ctcggtgtaga 240  
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 ccactgtgcc cggagtcgga atgcataggg cggtttgttg agcggcttgt ttccatgaaa 360  
 ctattgtgtg acatcacctg tttcgcaatc gcgcttttgc ttcaaccacg agttcgagaa 420  
 agttgtgata gatcgataat aataaaaactt atggactact acagattcag aattctccga 480  
 cgttttactc atagtctgtc cgcacccttg cccaattgag attggcttgc caatagtctg 540  
 gcgttctatt gcatttgcac cggccccaat caacctagtc ggaactgact tcccctgtcc 600







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cgcagtaacy gtaccttctt gctcagatac tgatggggtt acaaccgcaa tcgctcgtag 2580  
cacatagcat tgtagacatg caagtaaata ttatagatgg ggttcatctg tgctcagcag 2640  
ctcatctcat tagcatgac 2659

<210> 8764  
<211> 165  
<212> DNA  
<213> Aspergillus nidulans

<400> 8764  
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agacaccgaa ttgcgacccg gtgcgatgag agtacacaac agaga 165

<210> 8765  
<211> 518  
<212> DNA  
<213> Aspergillus nidulans  
<223> unsure at all n locations  
<400> 8765

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ccctcatca ctcaaatacc ggcacttctt attccacca tataccaatc tatacttctc 120  
ctaccaattc cactcctcac tcaactacaac aatacataat atccatccat tcctcacc 180  
acctcacc ctcacttcac cactctctaa ctcaactata attcactacc gttccattac 240  
taatccaacc caatatcttc cacactatat ccctcaatct tactccacat ctaaacctta 300  
ccatatcact atcactaact aattcctcct cttctacccc aatatctcta cattctat 360  
actcatatac tattccacaa catgatacta cttctcttat tcntattaca cacctaacaa 420  
ctacctacat ccaccttatt tatccactta ttcacccac caccataata caccacttct 480

ccacacattt tcactctcac accatactct caatattt 518

<210> 8766  
 <211> 145  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 8766

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gacaaacact cagactagct cagaactggg gacgttcagc atacagaccc ttgacggaaa 120

tatgcacatc gctgaaagtg cccag 145

<210> 8767  
 <211> 209  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 8767

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gtggaagatc ccaccaacgt agtcgatggc gacactcttg ccaacgaact gntgctagaa 120

gtggcaagtg cagccagaga gggttcgctt tcagatgacc gggggaacaa gagcacagaa 180

acagacgtca ttgggctcag ctgcgagac 209

<210> 8768  
 <211> 579  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 8768

caaactctct gggctgtttg ataccgccag caacaactag ctgctctaac acaagatctc 60

ctgaaagtca ttgacatttt aagaattttg atccatccat ctccctatcc tcttctacca 120

gtaaactctt ccaaacacat atccacaaat caactactct ttcatacatt ttactcttta 180

tatattacct aactacatc attattcatt cttcataca acatctctat atacatacac 240

accactcta ttcactaacc acaactctta cattcaataa ccaactaaca ttatctttac 300

atatttctcc ttttaatctt tacaactctc atattacca tcccatttta cccttcatta 360

actacttcta acacaatgat aaaaccacat cttattctt tctccatctc cctaccatat 420

caccctcttt acatatcaac attaacacat actcactttc cactcataca attcaccact 480  
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 attccccattc tcttctatac tcatatttta aattctctc 579

<210> 8769  
 <211> 1714  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 8769

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 ggacgcggtg ctgcaacccc aagccgggtc tgctcgacga ctcacgttac cagtgtgca 300  
 aggcatggct tttgtgaccg gtatctacac tcaactgcag ccagtgggtc agagcgtgt 360  
 acatttccga caagtcgtga ctgctgggtc accccgagcc ggcattctca aataccgtgc 420  
 gacgcttgag gataactcga tttggctcat ctatgccatc ccagacaatg gacaggaccc 480  
 caattttcag ttagtatcca ctaccgatct gcgaggacct agcggatggt ccggtactgt 540  
 ccaagtgcga aagaaccacg ctgggtcttc aggtgaaagt ctcttcgaca actcggccgg 600  
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<210> 8770  
 <211> 188  
 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 8770

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 aaacacttca attaactgat gcgcatctcc acgtaggaa agcatgaagc accgtatcaa 120  
 agccggtggt tccacagaat attccacgca atggcattgt taaattgttt gtttacatac 180  
 ctggattc 188

<210> 8771  
 <211> 521  
 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 8771

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 cctcaatcaa tatttccctt cttttttcta ttccttctaa ttctcaactc ctatcctgat 180  
 ctctatatc tatccttaca aactctttat taattttttt ttcattcctc ccacatcttt 240  
 ttattacttc cctctctctc ttatcttctt ttcactttca cactataata caccttcctt 300

cttcttttct tccatatcca tctaatttca ttttccctaa tacttcatta catttcttcc 360  
 ttccctcaatc ctccatctca aaacattctt cactctatca tcaaagttaa tcaccttatt 420  
 tttatttttc caatataaaa cattactcac acttccgtaa tcataattat attattttcc 480  
 ttctgtatta ctcttaacat atttttaatc ctacctccca c 521

<210> 8772  
 <211> 773  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 8772

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 gagaacacgg aatggcaaga cttagtacaa cactgccagg gacatcgtgc atgcaacatt 180  
 acgtacctga tccggtggca tccttgagca gaacgtccgt ttcacaaagt catcaatctc 240  
 ttgccttgcg cgtggcgta aatcgtctgt cgccaggctc tcttccagcg caaatttggt 300  
 ccatactact aggtgaacta tgcctttctc caatccgtat ggccagtcgt tgtgtaaaat 360  
 ccgcataatc tctgtttagg cgcagcctcg ccgtcaacct aagcacgtct cgctagatat 420  
 tcaagagcag gtcgctctt tcgcaaattg tatagaaact aaggagaaca aaccttcgta 480  
 ctccaacggg tgacccttag gcttcaggtc ttccggcagtt ccctctcccc agccgagccg 540  
 ctcttaacc acgaatcgca ttatagagcc atacttagct acgatctgct ccttgaattg 600  
 tagatatctc ctcaagtcac tgggcaggcg ttggaagaga tcaatacggg ttggtttctat 660  
 agagacgaga attagagatt gtatgcacaa gaaatcagat atatcacgta ccgactatct 720  
 tccgtaccag ttcccatcct tgtctctgat attgctcgtc tgggggttgag aga 773

<210> 8773  
 <211> 531  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 8773

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cacataatac caatcattat caattatfff atataataac cataattcat tccctctctc 180  
 acttttccact aacctcactc atcatattat tttcctttcc cttaccact catattaatt 240  
 ctctctacca ctcatacata catctccact aaaccacaat acaacttate tatttttccct 300  
 ataaatatat acacagtcac atccatctct tactttactta cactttactc tatataactt 360  
 atgacctact gtcatacatt ctacattctt cactttctct cttaaaagtt tgaaattcat 420  
 attacactac tacataaaact gctaacatat ttttttatca atattctact catattttat 480  
 aaataatfff caaagtatgc attcttctct tctttactc ttttatcat c 531

<210> 8774  
 <211> 126  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 8774  
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 agtgctgaaa gcgggggaga gccgactaat cgttccctcg ccatgagtgg acccagaaca 120  
 ctgcga 126

<210> 8775  
 <211> 1588  
 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 8775

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 atgttatata gacaagggtt agagggaata cggaaaattc caaatattag agctttaaca 180  
 aaagggttta gggcaattcc tattgacggg agagtagtta aaacggattc ataaattgag 240  
 ggactaggct catttacacg ttttcttctc aagtgggctt cagtgtaaag gggaagctag 300  
 ttttctgga agtttgtaac aggacaaaaa ggttccaata tccatcaact tggccaggaa 360  
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 tttatgctta ggccatgaac cggatatagat cacggtctga gtccagtctt tgttggtgta 480  
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 <211> 736  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 8776

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 gaactcatat gtagttcttc taggctcgag agaagagaga gcgtcgagtg actgttatca 180  
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 tacaagtttc tgacttgttt cgagcttccc agcccgtttc aaacctgggc tagcttctct 420  
 ggcctccatc gatgatcgca gtgggaagat ttcactcagt aaagtcgctg caatgtaggt 480  
 gggcaagatt cccggcaaat ccagactggg ggaactcgag ccggagaatt ctgcggtgta 540  
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 caaaagagct aatccaaaga gaagaccgac taaaactgtt ccagagaagg attcggccgg 660  
 atcgtgccct tcaatctgct atctgatatt gatgtcgaaa aactttcaag cggccaaaag 720  
 tcggaatgtt gattat 736

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 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 8777

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 cttggtgtca agattgcagc caacgatctt gaacacgcca ttgctggctc tcgtctcatg 180  
 gttgtcggac ctgacgatga cgaggaggat attgaagaag aagtcatgtc tgatctcgag 240  
 aaccttctca gcaaggtttc caaggatcag cgcggtgtca gtgttcaggc ttctacactt 300  
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 tccattggtc ccgtctacaa gcgcgatgtc atgatgtgcg gtacaatgtt ggagaaggcc 420  
 aaggagtacg cggatcatgct ctgcttcgat gtcaagggtg ataagg 466

<210> 8778  
 <211> 1277  
 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 8778

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gagcggctga tctcgctcgt gcgtaaaact tgcaattcgc atgagaagaa gttgctaaac 180  
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<210> 8779  
<211> 495  
<212> DNA  
<213> Aspergillus nidulans

<400> 8779

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tgggacgtta tacttcactg gtgttctaag tcacagctta gaggtccaaa aagcccaaga 240  
 ggcaaccgcg gctaccgacc aagctctggc caacctcgag caaagcttga gtgcttttga 300  
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 gcgcgcgggt gacagccgat caagcaagct ccttgcccgt atgccctcaa gtaagggtga 420  
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 ccctgctcta ggcgt 495

<210> 8780  
 <211> 555  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 8780  
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 accatcccca cctcacatct tccctacaat actaccccca cccctcacat ttctcttact 180  
 ctcaaaaaca tctacatcat ccactaccac taccacttaa cactcctatt ccactcccta 240  
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 cgctcccata cataccttta cccatctcat cataccccct actacactca actctatact 480  
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<210> 8781  
 <211> 2146  
 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 8781

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<210> 8800  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 8800

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 gacggagcag agcgtatagg tgaaggctgt aaatttcaca gtataccggg cccttggtga 180  
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 gtgtcgacta atgcggccta gcccataccc gtacctgagg aaccgaggca cacgtaataa 360  
 cctattggat ataacttcac aaggcataga aaatacttct ccattaacga ttttggaagc 420  
 tcgaaaagag ctaccatagc ttatacctga ggataacatc ctttttcttc agcgtcttga 480  
 cggcagaaaag ttagaagtta tggatgtct catcccgctc atctggtcaa tggctgagat 540  
 cagtcgctgc actgtgtttc ataaagccca ttgcagcagg cgcaagccac accagactta 600  
 catctcactt tctaccaa at tcttcggc tttacggatt gctttggagt caattccaat 660  
 gcatgcaata gaacaactct ggctgggtac aacaaaggcg aagcccgctt ctatgcaata 720  
 cagaattgtt gcgcaaagcc ttaccaagac aaatgcgcta aacggtcata ttgccaagt 780

tagaatgtag acagagagaa tattgaaggt tcatatgcta taactgatca taacaccagg 840  
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 cagcttgga agcagcttgt tg 922

<210> 8801  
 <211> 646  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 8801

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 cactaaccag tgcttttggg gggtcgttcg gggtagttag gacaagcact gcagtcaagg 180  
 ctgacctcc cactttacct ataacgccgg cctacaactg gatccgatct ggattactat 240  
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 ctcaaacgac tgcacgcag cttttcgact tgggtctatt gtggctgtga gggaaggaag 360  
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 tccatagaac atcgcatcag cccgaagaat cttcatttgc gtcttaccct gggtttttct 540  
 gacgtcgacc ctttcctcgc ttcacgcccc ccaccggtcg catttcaacc tcctcgcatt 600  
 tctccgctat tcacagctcg accaccatga cttcgatcag tagtag 646

<210> 8802  
 <211> 857  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 8802

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 caaatatctt ctccaacttc tactcgagaa tctacatatg cacatgagcg ccgcctcttt 240  
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 cgagatctga tgatgcaaaa caattcgctc cccctccagt ttgaccccat acttcctccc 780  
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 cgtctcgacc tcgcgca 857

<210> 8803  
 <211> 971  
 <212> DNA  
 <213> *Aspergillus nidulans*

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 aactaaacca atactcagac aatacctaga cgcgtacttg tcattctctga tgcacaaagt 240  
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 tggctcttgta ttattaggcc ctgatcagtg tcactactgg cgaattacaa atagctgtat 660  
 actatacatc cattgcctca cgatttgtca tagcttcagg ggctcataca atgaccgaca 720  
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ggctctgtta tacccttgac aaagacttcg cacttcgcac aggtcaagcg catgtcctca 840  
aagatgatga ttgtgcactt gacataccgc ccgcctatca tgagcacctt cattcatgtc 900  
tggatcattc ccctggaacc gacgccgaca ttcgcggccc aattttcccc gtogatctac 960  
gtctgagcat a 971

<210> 8804  
<211> 103  
<212> DNA  
<213> Aspergillus nidulans

<400> 8804

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<210> 8805  
<211> 584  
<212> DNA  
<213> Aspergillus nidulans

<400> 8805

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atagttaaac aacgcgaaga ttccctcggt gctgttgaag aactcgccga cctcggcgac 180  
accaaagcgc tctctgaatc gatcccagat gtcagggcgc aggccatttc cgtacatcag 240  
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tattgccgac gtgccgtggt agagcggcat gcacgagtac catctgtcgc cgtcagggcc 480  
gtccttgctg tcattcctcc cggcgaagaa ggatcgactg atggaggcgt gacatggtga 540  
aacacacatg ggtgagacgg tggttacatg atgtttgcaa agaa 584

<210> 8806  
<211> 792  
<212> DNA  
<213> Aspergillus nidulans

<400> 8806

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gaagaaattc agctcctgac gacagcagtg actactctga atagggactg atgacgggtg 180

agacagaggc tgagcacgaa gtggcgcgca gctggaggtc gtgctgctgt gcttccacca 240

atccaccaat ccactctata gagccttgtc gctattatta tcaaactcgt tgatgatgga 300

gatttgagaa tcccgcgaatt taatccgttg tttcttgtac agttgcctta tccttcaggg 360

ggaaatgagc tgatgagctt ctgcactccc aagcaaactt gcaagtctcc gacgatcacc 420

tcctttttca acaaagaaca acaattatta tctgacaaca tcaaaactag agaacacacg 480

tttgaaagga ttttctttcc aatttaaaat cacctacaac ccgctcgtgg cgctgcaaag 540

tgtgcaaagg ttatcttgat gccttataag gcagggactt tctcaggcct tattgatcgc 600

tagctctctg cagggacgga cgcgagcct gccgcagagc aacagggcgg accataacag 660

cgggcggact acgtgccagg gcggaacgag accagaccac ggcacagctt aagagcgcg 720

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agagggcagt ca 792

<210> 8807

<211> 246

<212> DNA

<213> Aspergillus nidulans

<223> unsure at all n locations

<400> 8807

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atacggcgaa atggagatct caagaagtcg acatgtactg gtctcgagca accgcaagcg 180

tcgcggctga ggtgtagaat gcctggaacc tagctgtatc cagtagaaga acgacaccag 240

atatga 246

<210> 8808

<211> 467

<212> DNA

<213> Aspergillus nidulans

**SECRET**

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<213>	<i>Aspergillus nidulans</i>

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 <211> 204  
 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 8810

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 tgctccagat gcgnacgaat agggatgaga ttcaatgctg ggtgctcggg ttatacaggt 180  
 cccgtgataa ctttcgattc atac 204

<210> 8811  
 <211> 717  
 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 8811

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ggctttcaaa ttgttccctcc cctttcaagg gtaggaaacc ttgatataatc gtcttttgaa 180  
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 caaacaaggg gacattgatt ctaatatgaa aggtctgaag aacacagcat agcatcattt 300  
 tttatctggg ttcagctgca ccagttcata aagacgtatc acaacaggat acgaggaaaag 360  
 aatgttctat tgacaaagat tctctagtagt aagtcctcag gttctatccc tggctatcac 420  
 cacctcaciaa gttttcgcaa attaaatcca tttgggggta aaatagttca tgcactacta 480  
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 aagcctgcat tgggatagct atcaatgaag aaaacgatac gcttagcgct ccgtacgcag 660  
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 <212> DNA  
 <213> *Aspergillus nidulans*

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<210> 8813  
 <211> 764  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 8813  
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 caccacaaaa agcagcgttt catcctcata gaccggcgtc acccgtagat tgtgcgctat 180  
 cttttccccg accacgacat gttccaccac ctggatttct cgagtcgagc aggcggcacg 240  
 cagagcaccg taaaggatgg gaatattagg aactgggatg cattcggggc tgacgtcgct 300  
 gatcgaggtg tgaagcagcg agtcccgtgg cttgccgaag agggcgacat ggctgttgga 360  
 gacttcgatg atgaccatcg acgcatcgag gacgatcggtg ggcacggggg tgcagcggta 420



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 gaaacgtgac aacgcgaggc cgagacgacg gaggggtcgg taaaacgtgc accatgctgg 720  
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<210> 8814  
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 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 8814

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 tcaagtctcc tgctctgggc agtttatggg aacctgcgat cccaaaacat gtatgaagat 480  
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cccttcatgg ggtctccact attatagcaa tgtctgcttt gctgcttgct ggagcatatg 1080  
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<210> 8815  
 <211> 640  
 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 8815

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<210> 8816  
 <211> 1218  
 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 8816

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 caacctcgag cttttgcagc ggggagcggg tgtacgccca atcgtgctgt tcaccggtgg 1140  
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<210> 8817  
 <211> 327  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 8817

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 tggatcgggt antcgggata tgagatggag tggagagcga agatctaggg taaggaggta 180  
 caggcttcca ggnaggagcg gtggattgtt gacggcaagc gtaggaagtt ggctgtcatg 240  
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<210> 8818  
 <211> 108

<212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 8818

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<210> 8819  
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 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 8819

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 aacgcgtagt ctgtcggagt atgtacatgt tgtaaactgt tcttaacaag gtctaagtct 540  
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gtgttggtag tagtgtttg 1159

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<213> Aspergillus nidulans  
<400> 8820

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acacggtact atatctgtac gctcttggtc aca 153

<210> 8821  
<211> 561  
<212> DNA  
<213> Aspergillus nidulans  
<400> 8821

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ctttattgct ggtagtggtg gtcaggagga cgaaccctct aattgacctt atgtatgtac 180  
cttccaataa atgatgtatt tatatgaatt atcagcgacg tttagcatat ccggaaaagc 240  
agcttctctt ttacgattct tttttcctat gttcagactt aagtcttact actgggttaat 300  
ctttgtgcaa cctgaaaaga cgggtggtgga agaagctgat ggtcctaaat gacggagggtg 360  
cccgctagaa gacaaggatt aattgaattt tgagctagat attcgccagc tatgccgtga 420  
aatattacgt agggtaagaa tagggagcct gaaaacagca ccactgccat gttgtcccat 480  
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cacgtgatga atgaaagaaa t 561

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<211> 200  
<212> DNA  
<213> Aspergillus nidulans  
<400> 8822

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atttgacaa tatccgatgc acgtctatgc gaagagaacg atcaaatgaa cgcggtctg 180  
tgtttggtaa caatagaagg 200

<210> 8823  
<211> 1475  
<212> DNA  
<213> Aspergillus nidulans  
<400> 8823

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gtggtaggtg tacgacaaga gacacacca caaaacaaca ccgatggaag cttcgtcact 180  
cgatcaaccc aagctgggtg gtatgtcgag cggaatttcg cactagcggc gagtcagctc 240  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 8824

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 tgacgcacaa accagcctat catctacata agagcatctg ctcaatgccca tatctgccac 360  
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 aatccaacaa caccagtgc cctcaccgca gcaccagtct cgctcggctg cgccgcagtc 480  
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attgaaagag ggaagaacgg aaattgggga gtattaaata caaaaccaga gaacacatca 1260  
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<210> 8825  
<211> 777  
<212> DNA  
<213> Aspergillus nidulans

<400> 8825  
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gcctacctcc gtgtcaacag tggaaggcag ctgagacatg aaatagtccc gcttataaac 180  
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acggagctct ttcagagcct gctgcgagag cgccgtttgc ataaatagtc tgtcgagata 720  
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<210> 8826  
<211> 1336  
<212> DNA  
<213> Aspergillus nidulans



<400>

8826

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gtcgcgagcc acatatgggg tgtcttcagc cagggcgggc tgcgaaaaat caaaggcctc 240  
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cgatgtccat ctgcag 1336

<210>

8827

<211>

119

<212>

DNA

<213>

Aspergillus nidulans

<223> unsure at all n locations  
<400> 8827

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<210> 8828  
<211> 555  
<212> DNA  
<213> Aspergillus nidulans

<400> 8828

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agacacagaa tgtagccatg ttgccaaaga tctactgtac aactctcagc ttccgtggag 180  
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tgggctacta tttcagggca ggggtgtaca actaagtgt ctttcccctg ttagagttgg 420  
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<210> 8829  
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<212> DNA  
<213> Aspergillus nidulans

<400> 8829

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ttgatgtccc gaagcgactc taggtaacta actgctccct gaccgtaagc cttaggacag 300  
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 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 8831

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 ttgagcatcg tgtc 134

<210> 8832  
 <211> 1292  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 8832

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<210> 8833  
 <211> 1159  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 8833

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gccgcctata tgaagcttg 1159

<210> 8834  
<211> 1701  
<212> DNA  
<213> Aspergillus nidulans  
<400> 8834

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<223> unsure at all n locations  
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 <213> Aspergillus nidulans

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 <223> unsure at all n locations  
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 <212> DNA  
 <213> Aspergillus nidulans

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<212> DNA  
<213> Aspergillus nidulans

<400> 8861

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<210> 8862  
<211> 1304  
<212> DNA  
<213> Aspergillus nidulans

<400> 8862

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<210> 8864  
 <211> 569  
 <212> DNA  
 <213> Aspergillus nidulans

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 <213> Aspergillus nidulans

<400> 8865

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<210> 8866  
 <211> 859  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 8866

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<212> DNA  
<213> Aspergillus nidulans

<400> 8868

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<210> 8869  
<211> 1418  
<212> DNA  
<213> Aspergillus nidulans

<400> 8869

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 <213> Aspergillus nidulans  
 <400> 8870

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 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
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<211> 971  
<212> DNA  
<213> Aspergillus nidulans  
<223> unsure at all n locations  
<400> 8872

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